

LakeCounty

Purchasing Division

<http://doingbusiness.lakecountyil.gov/>

Lake County will be accepting **only** electronic bid submissions for Invitation for Bid #22023 – FY2022 Painting Projects for Lake County Public Works.

Please follow the steps below to upload your electronic Bid Submission:

1. Go to www.lakecountypurchasingportal.com
2. Click on the Bid Number: 22023
3. Click on register for this bid
4. Enter your username and password
5. Under the Submittals section you will be able to upload your bid submittal
 - a. Click on the browse button
 - b. Navigate your computer and select the appropriate file
 - i. Multiple files can be uploaded, each file can be no more than 20 MB
 - ii. Files can also be uploaded as a .zip file
 - c. Click on save submittals
 - d. Close the browser

Please follow the following steps to attend the Public Bid Opening:

1. Go to www.lakecountypurchasingportal.com
2. Click on the “Under Review” tab
3. Click on the Bid Number: 22023
4. Click on the “Events” tab
5. Join the Zoom Meeting by clicking on the meeting link
 - a. Please plan on joining the meeting at least 5 minutes early and mute your microphone.

ALL SUBMITTALS SHOULD BE LABELED ACCORDINGLY. PLEASE USE BELOW LABEL FOR YOUR CONVENIENCE

Bid Number: 22023	Vendor Name: _____
Buyer: Yvette Albarran	
Bid Description: FY2022 Painting Projects for Lake County Public Works	Deliver to: Lake County ATTN: PURCHASING DIVISION 18 N. County Street – 9 th Floor Waukegan, IL 60085
*Bid Due Date: April 6, 2022 at 11:00 a.m. local time	

*Please note: Responses are due at 11:00 a.m. local time on April 6, 2022. Please allow sufficient time for any technical issues you may have and upload your bid early. Please email Purchasing at purchasing@lakecountyil.gov to receive confirmation that we have successfully received your submissions. Clarifying questions are due on March 29, 2022 at 5:00 p.m. local time.



SUBMISSION INFORMATION

Lake County Purchasing Division
18 North County Street Ninth Floor-Admin
Waukegan, Illinois 60085-4350
(847) 377-2929

E-Mail: purchasing@lakecountyil.gov

Access Bid Results:
<http://www.lakecountypurchasingportal.com>

INVITATION: # 22023
BID OPENING DATE: April 6, 2022
TIME: 11:00 A.M. Local Time
LOCATION: Lake County
Attn: Purchasing Division
18 N. County St. – 9th Floor
Waukegan, IL 60085

Submit 1 electronic copy

ISSUANCE DATE: March 14, 2022
BUYER: Yvette Albarran

INVITATION TO BID VENDOR INFORMATION

COMPANY NAME: _____
ADDRESS: _____
CITY, STATE, ZIP CODE: _____

FY2022 PAINTING PROJECTS FOR LAKE COUNTY PUBLIC WORKS

Item #	Location	Unit of Measure	Unit Price	Total
1.0	New Century Town Wastewater Treatment Plant	Lump Sum	\$	\$
2.0	New Century Town Building 20	Lump Sum	\$	\$
3.0	Mill Creek Secondary Clarifier Exterior Coating	Lump Sum	\$	\$
4.0	Rollins Road Pump Station	Lump Sum	\$	\$
5.0	Brooks Farm Floor Coating Project	Lump Sum	\$	\$
6.0	Pettie Lake Pump Station	Lump Sum	\$	\$
7.0	Grainger Reservoir	Lump Sum	\$	\$
8.0	Vernon Hills Potable Water Reservoir – Greggs Landing Painting (Scope 1)	Lump Sum	\$	\$
9.0	Vernon Hills Potable Water Reservoir – Greggs Landing Painting (Scope 2)	Lump Sum	\$	\$
	TOTAL BID AMOUNT			\$

NOTE TO BIDDERS: Any and all exceptions to these specifications MUST be clearly and completely indicated on the bid sheet. Attach additional pages if necessary. Please be advised that any exceptions to these specifications may cause your bid to be disqualified.

If a bid includes any exceptions, Bidders must insert an “X” in the following box indicating a bid submission with exceptions. ☐

THE SECTION BELOW MUST BE COMPLETED IN FULL AND SIGNED

PROMPT PAYMENT DISCOUNT: _____ % _____ DAYS

The undersigned hereby certifies that they have read and understand the contents of this solicitation and agree to furnish at the prices shown any or all of the items above, subject to all instructions, conditions, specifications and attachments hereto. Failure to have read all the provisions of this solicitation shall not be cause to alter any resulting contract or to accept any request for additional compensation. By signing this bid document, the bidder hereby certifies that they are not barred from bidding on this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code of 1961, as amended.

Authorized Signature: _____

Company Name: _____

Typed/Printed Name: _____

Date: _____

Title: _____

Telephone Number: _____

E-mail: _____

Fax Number: _____

1. INTENT

It is the intent of Lake County to enter into a contract with one or more qualified contractors for the Fiscal Year 2022 Public Works Painting Projects as identified in the specifications. This project is funded by The Lake County Public Works Enterprise Fund. Work will be performed at the following locations:

Location	Address	City, State
New Century Town Wastewater Treatment Plant	50 S. American Way	Vernon Hills, IL
Mill Creek Wastewater Treatment Plant	16750 W Ancona Ave.	Mill Creek, IL
Rollins Road Pump Station	25265 W Rollins Rd.	Ingleside, IL
Brooks Farm Well House	25710 W Brooks Farm Rd.	Lake Villa, IL
Petite Lake Pump Station	39149 N IL Route 59	Fox Lake, IL
Grainger Reservoir	14491 W IL Route 60	Lake Forest, IL
Greggs Landing	1805 N Crenshaw Cir	Vernon Hills, IL

2. SUBMISSION OF BIDS

Bids will be accepted until **11:00 a.m. local time, April 6, 2022**, at the via the Lake County Purchasing Portal.

3. SUBMITTALS

In order for your bid to be considered responsive, bidders shall submit the required forms identified below.

- Original "Invitation to Bid" including signed form with Total Bid Amount.
- Electronic copy of the complete bid submission.
- Addendum Acknowledgement Form.
- Contractor Qualification Form.
- Reference Form.
- Value Added Services
- Statement of Sustainability.
- Vendor Disclosure Form.
- Vendor Certification Form.
- Responsible Bidder Affidavit.
- The contractor shall provide a copy of their safety procedures for fall protection and confined space entry.

1. BACKGROUND

Lake County is located in northeast Illinois, between the Chicago and Milwaukee metropolitan areas. Lake County is home to about 736,000 residents. Lake County is committed to open government and transparency, and the County Board's sound fiscal policies have allowed the County to maintain fiscal stability and to achieve AAA bond ratings from Standard & Poor's and Moody's.

2. AWARD

Lake County intends to award this contract to the lowest responsive and responsible bidder who is in compliance with the specifications, terms, conditions contained herein. The Contractor shall have specific experience supplying similar service to other customers with similar volume. Lake County reserves the right to request additional information subsequent to the bid date for evaluation purposes. Lake County reserves the right to split award this bid by item, by location, in whole or in part if determined to be in the best interest of the County.

3. ENTIRE AGREEMENT

This bid document contains our terms and conditions and constitute the entire agreement between Lake County and the awarded bidder. Modifications and exceptions taken to the terms and conditions contained herein must be formally accepted in writing by both parties.

4. BID PRICE

The price bid shall include all material costs, labor and equipment included but is not limited to all transportation charges to and from destination, including delivery.

- All current or future surcharges on fuel or any other commodity.
- All other overhead charges of every kind and nature.

4. TERM

This contract shall be in effect from the date of execution and continue until for the period until September 30, 2022 from the date of award. At the end of any contract term, Lake County reserves the right to extend this contract for a period of up to sixty (60) days for the purpose of getting a new contract in place. For any year beyond the initial term, this contract is contingent on the appropriation of sufficient funds; no charges shall be assessed for failure of the County to appropriate funds in future contract years.

5. DELIVERY CONDITIONS

All Items shall be F.O.B. Destination. The term F.O.B. Destination shall mean delivered and unloaded at delivery sites within Lake County, with all charges for transportation and unloading paid by the Contractor. Any claim for loss or damage shall be between the Contractor and the carriers.

6. TERMINATION

Lake County reserves the right to terminate this bid as set forth below.

a. Termination for Convenience:

Lake County reserves the right to terminate this Agreement, or any part of this Agreement, with or without cause, upon 30 days' written notice. In case of such termination, Consultant shall be entitled to receive payment from Lake County for work completed to the date of termination in accordance with the terms and conditions of this Agreement.

b. Termination Due to Material Breach:

In the event that this Agreement is terminated due to the Consultant's material breach, Lake County shall be entitled to purchase substitute items or services elsewhere and charge Consultant with losses the County incurs, including attorney's fees and expenses, notwithstanding any damage limitations the parties may agree to elsewhere.

c. Termination Due to Lack of Appropriations:

If sufficient funds are not appropriated by the Lake County Board to continue the services under this Agreement, then Lake County may terminate this Agreement. Lake County agrees to give written notice of termination to Consultant at least 30 days prior to the end of the last fiscal year for which appropriations were made. Lake County shall remit payment for all work completed and approved or accepted by the County, to the date of termination. Termination under this subsection shall not entitle the Consultant to contractual damages of any kind.

d. Termination Due to Force Majeure Events:

(1) If a Force Majeure Event prevents a party from complying with any one or more obligations under this agreement, that inability to comply will not constitute breach if (1) that party uses reasonable efforts to perform those obligations, (2) that party's inability to perform those obligations is not due to its failure to (A) take reasonable measures to protect itself against events or circumstances of the same type as that Force Majeure Event or (B) develop and maintain a reasonable contingency plan to respond to events or circumstances of the same type as that Force Majeure Event, and (3) that party complies with its obligations under section 16(d)(3), below.

(2) For purposes of this agreement, "Force Majeure Event" means, with respect to a party, any event or circumstance, whether or not foreseeable, that was not caused by that party and any consequences of that event or circumstance.

(3) If a Force Majeure Event occurs, the noncomplying party shall promptly notify the other party of occurrence of that Force Majeure Event and may terminate the Agreement based on it, with an obligation to pay only for services performed prior to the Force Majeure Event.

7. VOLUME/ESTIMATED QUANTITY

County does not guarantee any specific amount and shall not be held responsible for any deviation. Lake County does not guarantee that the County will buy any or all estimated quantities or total amounts. This contract shall cover the County's requirements whether more or less than the estimated amount. All orders received by the Contractor during the term of the contract shall be filled in accordance with the terms and conditions set forth herein. Lake County reserves the right to add or delete locations to this contract. Pricing of additional locations will be negotiated with the Contractor.

8. SUBSTITUTIONS

No substitutions will be allowed during the term of the contract without the express permission of the Lake County Purchasing Division. The Contractor may request permission to substitute items of equal or higher quality when sufficient inventories of an ordered item are not available for delivery within the time required by the using agency.

9. PRECEDENCE

Where there appears to be variances or conflicts, the following order of precedence shall prevail: Lake County Specifications; Lake County General Terms & Conditions, Lake County Invitation for Bids Terms & Conditions and the Contractor's Bid Response.

10. INVOICES AND PAYMENT

- A. At the start of this contract, the County will issue a purchase order for the work and bidder shall submit invoices detailing the products and services provided and identify the purchase order number on all invoices.
- B. Bidder shall maintain records showing the actual time its employees and agents devoted to the project, and the costs incurred. Bidder shall permit a representative from Lake County to inspect and audit all of Bidder's data and records for the work and services provided under this contract. Bidder shall make these records available at reasonable times during the contract period and for one year after the end of the contract.
- C. All payments shall be made in accordance with the Illinois Local Government Prompt Payment Act, which generally requires approval of a vendor's bill within 30 days of receiving the invoice for the services contained in it, and payment within an additional 30 days (50 ILCS 505/1 et seq.).

Lake County's fiscal year ends on November 30. Invoices for services the bidder has rendered up until November 30 of each year must be received by Lake County on or before January 15 of the subsequent calendar year.

Other than the timeframe for payments related to the end of Lake County's fiscal year, as stated above, Lake County shall not be held financially liable for payment of any services rendered if the invoice for such services is not sent to the County within 90 days from the date the services were provided.

If this contract is terminated prior to its expected expiration date, the bidder must submit all invoices to Lake County no later than 30 days after the effective date of the termination.

Payment for invoices received beyond the time periods in this subsection will be denied, absent an agreement to the contrary. Failure of the bidder to invoice the County in the timeframes noted in this section shall constitute the bidder's waiver of the bidder's right to payment.

Invoices shall be sent to the following address: **Lake County Public Works, 650 W. Winchester Rd., Libertyville, IL 60048**

11. UNBALANCED BIDDING

Bidders shall not submit a bid which contains irregularities of any kind, including unbalanced bids. By an unbalanced bid, it is meant that one or more separate items are substantially out of line with the current market price for the materials and/or work covered hereby. The County reserves the right not to award any items or to negotiate unit prices that appear excessive or unbalanced.

12. INDEMNIFICATION

Bidder agrees to indemnify and defend Lake County (its employees, elected officials, executives, and agents) from all claims, actions, demands, judgments or liabilities, fines, penalties, and expenses, including without limitation reasonable legal fees and expert costs, arising out of this bid and arising from the bidder's (its employees', executives', and agents') actions, whether negligent, reckless, or intentional. Lake County shall provide notice to bidder promptly of any such claim, suit, or proceeding, and will assist bidder, at bidder's expense, in defending any such claim, suit, or proceeding.

13. CONFIDENTIALITY

Bids are subject to the Illinois Freedom of Information Act (FOIA) once an award is made. As such, all bidders responding are asked to submit one redacted copy of their bid that can be used by the County to respond to any future FOIA requests for the bid.

Please refer to the FOIA statute, 5 ILCS 140/1 et seq., and specifically Section 7 therein, for explanation of information that may be redacted. For example, information exempt from disclosure in response to a FOIA request includes but is not limited to: highly personal or objectionable information; trade secrets and commercial or financial information claimed as proprietary, privileged or confidential, the disclosure of which would cause your business competitive harm; valuable formulae, computer geographic systems, designs, drawings and research data when disclosure of the same would produce private gain or public loss; certain construction related technical documents; and information associated with automated data processing operations that, if disclosed, would jeopardize system or data security.

If no redacted copy is provided, the Lake County Purchasing Division reserves the right to determine what information should be redacted as proprietary, privileged, or confidential in response to a FOIA request. A bidder who fails to provide a redacted copy of its proposal waives its right to maintain any claims against Lake County, its agents, or employees for disclosure of this information.

14. ASSIGNMENT

Any Agreement entered into as a result of this bid shall not be assigned, delegated, or modified without the express written consent of both parties. The Agreement supersedes all other agreements, oral or written, between the parties with respect to the subject matter of the Agreement.

If Lake County agrees that the bidder may assign, delegate, or subcontract the work under the Agreement, bidder shall remain contractually liable to Lake County unless otherwise agreed in writing.

15. ADDENDA

Any and all changes to the specifications and terms and conditions of this Bid are valid only if they are included by addendum issued by Lake County Purchasing. Bidders shall acknowledge addenda by signing the enclosed Addendum Acknowledgement form. Failure of any bidder to receive any such addendum or interpretation shall not relieve the bidder from obligation under this bid as submitted. All addenda as issued shall become part of the bid documents. It is the vendor's responsibility to check for addendums, posted on the website at <http://lakecountypurchasingportal.com> prior to the submittal due date. No notification will be sent when addendums are posted unless there is an addendum issued within three business days of the submittal due date.

16. ADDITIONAL INFORMATION

Should the bidder require additional information about this bid, please submit questions on our website at <http://lakecountypurchasingportal.com> by selecting the bid number and addendum link. Questions may also be submitted via email to purchasing@lakecountyil.gov. All questions shall be submitted no less than seven (7) days prior to the bid opening date. No interpretation of the meaning of the plans, specifications or other contract documents will be made orally. Failure to request an interpretation constitutes a waiver to later claim that ambiguities or misunderstandings caused a bidder to improperly submit a bid.

17. NON-ENFORCEMENT BY THE COUNTY

The Contractor shall not be excused from complying with any of the requirements of the Contract because of any failure on the part of the County, on any one or more occasions, to insist on the Contractor's performance or to seek the Contractor's compliance with any one or more of said terms or conditions.

18. CHANGE IN STATUS

The Contractor shall notify Lake County immediately of any change in its status resulting from any of the following: (a) vendor is acquired by another party; (b) vendor becomes insolvent; (c) vendor, voluntary or by operation law, becomes subject to the provisions of any chapter of the Bankruptcy Act; (d) vendor ceases to conduct its operations in normal course of business. Lake County shall have the option to terminate its contract with the vendor immediately on written notice based on any such change in status.

19. JOINT PURCHASING

The purchase of goods and services pursuant to the terms of this Contract shall also be offered for purchases to be made by other governmental units, as authorized by the Governmental Joint Purchasing Act, 30 ILCS 525/0.01, et seq. (the "Act"). All purchases and payments made under the Act shall be made directly by and between each governmental unit and the successful Bidder. The Bidder agrees that Lake County shall not be responsible in any way for purchase orders or payments made by the other governmental units. The Bidder further agrees that all terms and conditions of this Contract shall continue in full force and effect as to the other governmental units during extended terms. The credit or liability of each governmental unit shall remain separate and distinct. Disputes between Bidders and governmental units shall be resolved between the immediate parties.

The Bidder and the other governmental units may negotiate such other and further terms and conditions to this Contract ("Other Terms") as individual projects may require. To be effective, Other Terms shall be reduced to writing and signed by a duly authorized representative of both the successful Bidder and the other governmental unit.

The Bidder shall provide the other governmental units with all required documentation set forth in the solicitation including but not limited to: performance and payment bonds, Certificates of Insurance naming the respective governmental unit as an additional insured and certified payrolls to the other governmental unit as required.

20. REPORTING REQUIREMENTS

All awarded vendors will identify and report the type of ownership— L/W/MBE, and/or not L/W/MBE for any work that they or their approved subcontractors will perform. In addition, Lake County requests that all awarded vendors provide an accounting of employees assigned throughout the term of the contract in regards to their home address and

ethnicity. Lake County may use any data collected to report on potential of businesses and workers benefitting from County contracts.

Lake County launched a **Buy Local. Build Local. Work Local.** initiative in 2013 to increase the outreach and procurement opportunities for businesses located within Lake County, including women-owned businesses and minority-owned business enterprises (L/W/MBE). The overarching objective is to maximize participation from these businesses in the County's procurement process, in accordance with applicable law. The County will take all necessary and reasonable steps to assure that business enterprises defined as L/W/MBE shall have a fair opportunity to participate in County contracts. As part of its Economic Opportunity Program (EOP) commitment the County will make every effort to achieve the following objectives:

- (a) To ensure nondiscrimination in the award and administration of contracts;
- (b) To create a level playing field on which L/W/MBEs can compete fairly for contracts by providing any necessary training and assistance in bid preparation;
- (c) To ensure that the County's EOP is narrowly tailored in accordance with applicable law;
- (d) To establish a means for firms identifying themselves as L/W/MBEs to register for procurement opportunities and work cooperatively with contracted firms to report on measures that demonstrates the County's commitment to its EOP; and,
- (e) To help remove barriers to the participation of L/W/MBEs through notification of contract opportunities.

Successful proposers are encouraged to work with Workforce Development to post any and all opportunities for employment on County contracts. Lake County's Workforce Development mission is to foster and ensure the economic prosperity of the Lake County community by maximizing the potential of businesses and workers. As such, Workforce Development provides a key resource for job seekers and employers.

State law mandates an open and competitive bidding process and requires that publicly procured contracts be awarded to the lowest responsible and responsive bidder with no demonstrated preference based on the bidder's location, race and gender.

21. DEBARMENT AND SUSPENSION

The Lake County Purchasing Ordinance § 33.125 through 33.126 defines the County's Authority and Decision to Debar.

The bidder certifies to the best of his or her knowledge and belief that the bidder:

- A. Is not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency.
- B. Has not within a 3-year period preceding this contract been convicted of or had a civil judgment rendered against it for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State, or local) transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statement, or receiving stolen property;
- C. Is not presently indicted or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- D. Has not, within a three-year period preceding this contract, had one or more public transactions (Federal, State, or local) terminated for cause or default.

Bidder agrees that, during the term of this Agreement, Bidder shall report to the County's contract administrator, within 10 days, any allegations to or findings by the National Labor Relations Board (NLRB) or Illinois Labor Relations Board (ILRB) that Bidder has violated a statute or regulation regarding labor standards or relations. If an investigation by the County results in a final determination that the matter adversely affects Consultant's responsibilities under this Agreement, then the County may terminate this contract.

22. NON-DISCRIMINATION

During the term of this agreement, Consultant agrees to and shall comply with (1) the Equal Opportunity Employer provisions of Section 2000e of Chapter 21, Title 42 of the United States Code and Federal Executive Order Number 11246, as amended by Executive Order 11375, and (2) Chapter 33 of Title III of the Lake County Code of Ordinances (titled "Purchasing").

Bidders are subject to the following conditions if the use of Federal Funds is applied to this procurement.

1. DEBARMENT AND SUSPENSION

This contract is covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the Bidder is required to verify that none of the Licensor's principals (defined at 2 C.F.R. § 180.995) or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

Bidder must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, and must include a requirement to comply with these regulations in any lower tier covered transaction in enters into.

This certification is a material representation of fact relied upon by Lake County. If it is later determined that the Bidder did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to Licensor, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

Bidder agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000 subpart C throughout the period of any contract that may arise. Licensor agrees to include a provision requiring such compliance in its lower tier covered transactions.

2. PROHIBITION ON CERTAIN TELECOMMUNICATIONS

The proposed equipment will not utilize covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. As described in Public Law 115-232, section 889, covered telecommunications equipment is telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).

3. ACCESS TO RECORDS

Bidder agrees to provide Lake County , the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the Licensor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts, and transcriptions.

Bidder agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

Bidder agrees to provide the FEMA Administrator or his authorized representatives access to construction or other work sites pertaining to the work being completed under the contract.

In compliance with the Disaster Recovery Act of 2018, Lake County and the Licensor acknowledge and agree that no language in this contract is intended to prohibit audits or internal reviews by the FEMA Administrator or the Comptroller General of the United States.

4. DHS SEAL, LOGO AND FLAGS

Bidder shall not use the DHS seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific FEMA pre-approval.

5. COMPLIANCE WITH FEDERAL LAW, REGULATIONS, AND EXECUTIVE ORDERS

This is acknowledgement that FEMA financial assistance will be used to fund all or a portion of the contract. Bidder will comply with all applicable Federal law, regulations, executive orders, FEMA policies, procedures, and directives.

6. NO OBLIGATION BY FEDERAL GOVERNMENT

The Federal Government is not a party to this contract and is not subject to any obligations or liabilities to the non-Federal entity, Proposer, or any other party pertaining to any matter resulting from the contract.

7. PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS

Bidder acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the Bidder's actions pertaining to this contract.

8. BYRD ANTI-LOBBYING AMENDMENT (31 U.S.C. 1352)

Bidders who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, officer or employee of Congress, or an employee of a Member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient who in turn will forward the certification(s) to the awarding agency.

9. CLEAN AIR ACT (42 U.S.C. 7401-7671Q.) AND THE FEDERAL WATER POLLUTION CONTROL ACT (33 U.S.C. 1251-1387), AS AMENDED

Bidders who apply or bid for an award of \$150,000 or more shall comply with the following provisions:

i. Clean Air Act

1. The Bidder agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.
2. The Bidder agrees to report each violation to the LCHD and understands and agrees that the LCHD will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.
3. The Bidder agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA.

ii. Federal Water Pollution Control Act

1. The Bidder agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.
2. The Bidder agrees to report each violation to the LCHD and understands and agrees that the LCHD will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.

The Bidder agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA.

All Contracts may be subjected to change

The Contractor must obtain, for the Contract term and any extension of it, insurance issued by a company or companies qualified to do business in the State of Illinois with an A.M. Best Rating of at least A- VIII and provide the County with a Certificate of Insurance 15 days before the start of the project, and thereafter annually for contracts/ projects that will last more than one year. Insurance in the following types and amounts is necessary:

Commercial General Liability Insurance

In a broad form on an occurrence basis shall be maintained, to include, but not be limited to, coverage for property damage, bodily injury (including death), personal injury and advertising injury in the following coverage forms where exposure exists:

- Premises and Operations
- Independent Contractors
- Products/Completed Operations – up to 2 years after each project completion
- Liability assumed under an Insured Contract/ Contractual Liability
- Personal Injury and Advertising Injury

With limits of liability not less than:

\$ 1,000,000 Each Occurrence

\$ 1,000,000 Products-Completed Operations

\$ 1,000,000 Personal and Advertising injury limit

\$ 2,000,000 General aggregate; the CGL policy shall be endorsed to provide that the General Aggregate limit applies separately to each of the contractor's projects away from premises owned or rented to contractor.

Automobile Liability Insurance

Automobile liability insurance shall be maintained to respond to claims for damages because of bodily injury, death of a person, or property damage arising out of ownership, maintenance, or use of a motor vehicle. This policy shall be written to cover any auto whether owned, leased, hired, or borrowed.

The Contractor's auto liability insurance, as required above, shall be written with limits of insurance not less than the following:

\$ 1,000,000 Combined single Limit (Each Accident)

Excess/ Umbrella Liability

The Contractor's Excess/ Umbrella liability insurance shall be written with the umbrella follow form and outline the underlying coverage, limits of insurance will be based on size of project:

\$ 2,000,000 per occurrence limit (minimum, and may be higher depending on the project)

Workers Compensation (Coverage A) and Employers Liability (Coverage B)

Workers Compensation Insurance covering all liability of the Contractor arising under the Worker's Compensation Act and Worker's Occupational Disease Act at limits in accordance with the laws of the State of Illinois. Employers' Liability Insurance shall be maintained to respond to claims for damages because of bodily injury, occupational sickness, or disease or death of the Contractor's employees, with limits listed below:

Employers Liability

- a) Each Accident \$1,000,000
- b) Disease-Policy Limit \$1,000,000
- c) Disease-Each Employee \$1,000,000

Such Insurance shall contain a waiver of subrogation in favor of Lake County.

Contractor's Pollution Liability

The Contractor's pollution liability insurance, in connection with an agreement, shall be written with limits of insurance not less than the following:

\$ 1,000,000 per occurrence limit

Installation Floater / Builders Risk

Contractor's builders risk/an installation floater should cover materials while stored on-site and installation until the project has been completed or put to its intended use.

Limit would be determined by the hard construction values of the project including materials, the cost of change orders and overhead and profit.

Professional Liability – Errors and Omissions

The Contractor's Architect/ Engineer/Consultants for the plans of the project shall be written with limits of insurance not less than the following:

\$ 1,000,000 per claim per policy year

Coverage shall be provided for up to three (3) years after project completion. Policy is to be on a primary basis if other professional liability is carried.

Liability Insurance Conditions

Contractor agrees that with respect to the above required insurance:

- a) The CGL policy shall be endorsed for the general aggregate to apply on a "per Project" basis;
- b) The Contractor's insurance shall be primary & non-contributory over Lake County's insurance in the event of a claim.
- c) Contractor agrees that with respect to the above required insurance, Lake County shall be named as additional insured, including its agents, officers, and employees and volunteers and be provided with thirty (30) days' notice, in writing by endorsement, of cancellation or material change. A blanket additional insured ISO endorsement is preferred for Contractors who have multiple projects with the County.
- d) Lake County shall be provided with Certificates of Insurance and should included the appropriate corresponding ISO form endorsements evidencing the above required insurance, prior to commencement of this Contract and thereafter with certificates evidencing renewals or replacements of said policies of insurance at least thirty (30) days prior to the expiration of cancellation of any such policies. No manuscript endorsements will be accepted. Any hard copies of said Notices and Certificates of Insurance and Endorsements shall be provided to:

Lake County

Purchasing Division

18 N. County 9th Floor

Waukegan, Illinois 60085

Attn: RuthAnne Hall, Lake County Purchasing Agent

- e) Electronic copies of Notices, Certificates of Insurance and Endorsements can be emailed to Purchasing@lakecountyil.gov in place of hard copies.

Failure to Comply: In the event the Contractor fails to obtain or maintain any insurance coverage required under this agreement, Lake County may purchase such insurance coverage and charge the expense to the Contractor.

Substantial Completion:

The successful Contractor shall commence construction work as soon as possible following execution of the contract. Work shall be completed at the earliest possible time, but not later than September 30, 2022. Should the contractor fail to achieve this milestone liquidated damages may be imposed by the County.

Contract Time:

Any claim by the Contractor for time lost in the performance of the Work caused by acts or neglect by the County or any of its representatives or because of any injunction which may be brought against the County or its representatives shall be fully compensated for by an extension of time in an amount equal to the time lost due to such delay, and such time extension shall be the Contractor's sole and exclusive remedy for such delay.

Bid Security:

Each Bid shall be accompanied by a security in the form of a bond. Acceptable forms of security which may be submitted are: an executed surety bond issued by a company or companies qualified to do business in the State of Illinois with an A.M. Best Rating of at least A-; cash; certified check or cashier's check made payable to Lake County (not including personal or company checks, which are not acceptable); an irrevocable letter of credit; or any other form of deposit issued by a financial institution and acceptable to the Lake County. Bond shall be an amount equal to at least ten (10%) percent of the Total Base Bid Price, payable without condition to the County.

Schedules:

The successful Contractor shall furnish the following to the Lake County Purchasing Division:

- Within ten (10) calendar days after acceptance of the contract a schedule for the performance of the contract, including number of workers/crews assigned, hours, and delivery dates from material suppliers;
- The contractor shall provide, for the construction phase, a schedule of all subcontractors and suppliers, together with their addresses and telephone numbers [Note: Major subcontractors must be those specified in Paragraph 2 of the "Contractor Qualification Form" submitted with the Bid].
- Within ten (10) calendar days after award of the contract, Certificates of Insurance and endorsements to comply with specified requirements herein before.

Site Inspection:

It is understood that the Contractor, before submitting a Bid, has visited the site, has examined the nature, location, character, quality and quantities of materials, and local conditions under which the Work is to be performed, and correlated personal observations with requirements of the Contract Documents. No allowance will be made for not being familiar with existing conditions or requirements of the Contract Documents. Where conflicts exist within or between parts of the Contract Documents, or between the Contract Documents and applicable standards, codes and ordinances, the more stringent, or higher quality requirements shall apply. Large scale drawings shall take precedence over small scale drawings; figured dimensions on the drawings over scaled dimensions and noted material over graphic representations.

Labor Statutes, Records and Rates:

The following enclosed documents shall be a part of the Contract Documents for this project:

"Labor Statutes, Records and Rates"

"Prevailing Wages for Construction Trades," as issued monthly by the Illinois Department of Labor.

County's Right to Do Work:

If the Contractor defaults or neglects to execute the Work in accordance with the Contract documents or fails to perform any provision of this contract, the County, after three business days' written notice to the Contractor may, without prejudice to any other remedy he may have, make good such deficiencies and may deduct the cost thereof from the payment due the Contractor.

Prevailing Wage Act:

This project is subject to the Wage of Employees on Public Works (Prevailing Wage) Act (Illinois Revised Statutes, Chapter 48, Section 39s, et. seq.). Not less than the minimum wage rates as established by Lake County or State of Illinois Department of Labor shall be paid.

Compliance with the Specifications:

Each bidder must answer all questions in the bid. If you are unable to comply with a specific item in the bid, you are to prepare a list of exceptions and include the exceptions in your cover letter. If you do not indicate exceptions to the Requirements, you therefore guarantee that you fully comply with the Requirements. Exceptions to the specifications may cause your bid to be disqualified.

Warranty:

Neither the final payment, nor any provision in the Contract, shall constitute an acceptance of work not done in accordance with the Contract or relieve Contractor of liability in respect to any excess warranties or responsibility for faulty materials or workmanship. If, within one year after the date of complete project Substantial Completion of all the contracted Work or after the date for commencement of warranties, or by terms of an applicable special warranty required by the Contract, any of the Work is found to be not in accordance with the requirements of the Contract, Contractor shall correct the Work and pay for any damage to other Work or property resulting there from within seven (7) calendar days after receipt of written notice from the County. The period of one year shall be extended with respect to portions of the Work first performed after Substantial Completion by the period of time between Substantial Completion and the actual performance of the Work. The County shall give notice of observed defects with reasonable promptness after discovery of the condition.

Liquidated Damages:

NOTE: THIS CONTRACT HAS A STIPULATED SUBSTANTIAL COMPLETION DEADLINE OF September 30, 2022, EXCLUDING SUNDAYS AFTER ISSUANCE OF NOTICE TO PROCEED (projected substantial completion date: September 30, 2022). SHOULD THE CONTRACTOR FAIL TO ACHIEVE THIS MILESTONE, LIQUIDATED DAMAGES MAY BE IMPOSED BY THE COUNTY. Contractor must adhere to the Project Schedule (as it may be revised by mutually agreed change orders). If Contractor fails to meet substantial completion in accordance with the project schedule, and such failure is caused by the Contractor's or its subcontractors' acts or omissions and not by the County's, then Contractor shall pay the County, as its sole and exclusive remedy for delay damages, liquidated damages in the amount of \$50 per day for each day past the substantial completion date, as more fully described below.

Contractor and County agree that actual damages would be uncertain in amount and difficult to ascertain as of the date of this bid, and that the liquidated damages amount is a reasonable approximation of the amount of damages County would suffer caused by the Contractor's breach in failing to achieve substantial completion, as scheduled. These damages are intended to compensate the County for all damages caused by such delay, including those relating to the administration of the Agreement and other related contracts, additional costs incurred by the County for its operations and other personnel, expenditures resulting from the inability of the County to use the property during delay, and other miscellaneous obligations and expenditures that the County might incur as a result of such delay. In determining the liquidated damages amount, Contractor and County have taken into consideration the other provisions of this Agreement that protect Owner, including the Performance and Payment Bond.

For the County to assert a claim for liquidated damages, the County must first provide written notice to the Contractor. Contractor shall be entitled to a 14-day grace period before the County is entitled to any liquidated damages. The liquidated damages provision is for the County's sole benefit.

If the project schedule is being delayed such that Contractor will, or is likely to, owe liquidated damages to County, both Contractor and County shall take such actions as may be reasonable to mitigate the amount of liquidated damages that the Contractor will owe to the County. These actions will be discussed during the project progress meetings. The Contractor and County do not intend for liquidated damages to serve as a penalty to punish nonperformance or as a threat used to secure performance.

Use of Site:

The activities around the County's Site will continue, without interruption, during the course of this Work. The Contractor must coordinate his Work operations so as to cause the least possible inconvenience to the activities, both inside and outside, of the Site.

Cleaning Up

All excess material and/or debris must be removed from the site at the end of **each** work day and must be kept from littering the site; such material must be kept in a confined area.

Security:

The Contractor shall protect Work, stored materials and construction equipment from theft and vandalism; protect premises from entry by unauthorized persons; protect County's operations at site from theft, vandalism or damage from Contractor's Work or employees.

Change Orders:

The County believes that the project is fully defined in the bid solicitation documents and that change orders will not be necessary. However, **in the event that a change order is required, the Contractor shall review the scope of Work to be performed under the contract to suggest alternatives that can be implemented to offset the cost increase of any necessary changes without sacrificing the quality and/or scope of the contract specifications.** All change orders and alternative suggestions must be approved by the County in writing by both parties prior to execution. All change order mark-ups shall be limited to a maximum 10% overhead and profit on all subcontractor work and self-performed work and a maximum of 5% overhead and profit on all general contractor administration of subcontracts. Work performed without proper authorization shall be the Contractor's sole risk and expense. Any increase over 10% of the contract amount may require County Board approval before proceeding.

Delays and Extensions of Time:

Pursuant to applicable provisions of the Illinois Criminal Code 720 ILCS 5/33E-9, the Contract Time may be extended by thirty (30) days or more **only** when the circumstances said to necessitate the change in performance:

- Were not reasonably foreseeable at the time the contract was signed.
- Were not within the contemplation of the contract as signed.
- Are in the best interests of the County.

Taxes:

33.01 OWNER is exempt from the Illinois State and municipal or county Retailers Occupation Tax, Service Occupation Tax, Use Tax, Service Use Tax, as described in Illinois Revised Statute Chapter 120. Bid prices shall not include the cost of such taxes.

33.02 Federal excise tax does not apply to materials or services purchased by OWNER. Should the federal excise tax be applicable to this transaction, OWNER will furnish a federal exemption certificate. The Bid prices quoted herein by Bidder shall include all other direct or indirect federal, state, and local taxes which apply.

33.03 Pursuant to 86 Ill. Adm. Code 130.2076, tangible personal property that is purchased by CONTRACTOR for incorporation into the OWNER's real property pursuant to CONTRACTOR's performance of this Contract shall be deemed purchased by the CONTRACTOR for the OWNER and transferred by the CONTRACTOR to the OWNER upon completion of this Contract.

33.04 CONTRACTOR(S) shall forward this information to their Suppliers in order that the sale of such materials and equipment be properly recorded as a tax-exempt sale. Such information shall be accompanied by a copy of the Contract or Purchase Order.

33.05 It shall be the CONTRACTOR's sole responsibility to obtain any necessary approvals from the Illinois Department of Revenue to obtain any exemption from the Retailers' Occupation Tax. If necessary, and upon request of the CONTRACTOR, the OWNER shall supply its tax exemption certificate to the CONTRACTOR, provided that CONTRACTOR

shall not alter the tax exemption certificate and shall use it solely for purposes of exempting the above described personal property purchases pursuant to the Contract.

Progress Payments:

Payments shall be made in the amount of 90% of the estimated value, less any previous payments to the Contractor upon approval of the Sworn Statement and receipt of certified payrolls, as per the Prevailing Wage Act, 820 ILCS 130/5. Payments shall be made in accordance with the Local Government Prompt Payment Act.

Final Completion:

The Contractor shall have thirty (30) calendar days from the date of Substantial Completion to complete all Work and submit to the County a final Application for Payment.

If the County's inspection discloses any item that is not in accordance with the requirements of the Contract Documents, the Contractor shall complete or correct such item within fourteen (14) calendar days after receipt of notice from the County.

Contract Performance and Payment Bonds:

- a. The Bidder selected by the County shall furnish to the Contracting Authority within ten (10) calendar days after being notified of the acceptance of Bid:
- b. A performance bond satisfactory to the County, executed by a surety company authorized to do business in the State of Illinois, in an amount equal to 100 percent (100%) of the Total Awarded Contract as security for the faithful performance of the Contract; and
- c. A payment bond satisfactory to the County, executed by a surety company authorized to do business in the State of Illinois, for the protection of all persons supplying labor and materials to the Contractor or Subcontractors for the performance of Work provided for in the Contract, in an amount equal to 100 percent (100%) of the Contract price.
- d. Documents required by this section must be received and approved by the County before a written Contract will be issued.
- e. Contractor may be required to update performance and payment bond if contract value changes.

All Contractors shall familiarize themselves with all provisions of all Acts referred to herein and in addition shall make an investigation of labor conditions and all negotiated labor agreements which may exist or are contemplated at this time. Nothing in the Acts referred to herein shall be construed to prohibit the payment of more than the prevailing wage scale.

In the employment and use of labor, the Contractor and any subcontractor of the Contractor shall conform to all Illinois Constitutional and statutory requirements including, but not limited to, the following:

1.0 Equal Employment Opportunity:

1.1 Illinois Constitution, Article I, Section 17, which provides: "All persons shall have the right to be free from discrimination on the basis of race, color, creed, national ancestry and sex in the hiring and promotion practices of any employer or in the sale or rental of property."

1.2 Illinois Constitution, Article I, Section 18, which provides: "The equal protection of the laws shall not be denied or abridged on account of sex by the state of its units of local government and school districts."

1.3 The Public Works Employment Discrimination Act, 775 ILCS 10/1, provides in substance that no person may be refused or denied employment by reason of unlawful discrimination, nor may any person be subjected to unlawful discrimination in any manner in connection with contracting for or performance of any work or service of "any kind by, for, on behalf of, or for the benefit of the State, or of any department, bureau, commission, board or other political subdivision or agency thereof."

1.4 Contractor shall comply with the Illinois Human Rights Act, 775 ILCS 5/1-101 et seq., as amended and any rules and regulations promulgated in accordance therewith, including, but not limited to the Equal Employment Opportunity Clause, Illinois Administrative Code, Title 44, Part 750 (Appendix A), which is incorporated herein by reference. Furthermore, the Contractor shall comply with the Public Works Employment Discrimination Act, 775 ILCS 10/0.01 et seq., as amended.

2.0 The Veterans Preference Act, 330 ILCS 55/1, provides: "In the employment and appointment to fill positions in the construction, addition to, or alteration of all public works undertaken or contracted for by the State, or any of its political subdivisions thereof, preference shall be given to persons who have been members of the Armed Forces of the United States...in times of hostilities with a foreign country..."

3.0 The Servicemen's Employment Tenure Act, as amended, 330 ILCS 60/2, "safeguarding the employment and the rights and privileges inhering in the employment contract, of servicemen."

4.0 This contract calls for the construction of a "public work," within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/.01 et seq. The Prevailing Wage Act requires contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the current "prevailing rate of wages" (hourly cash wages plus amount for fringe benefits) in the county where the work is performed. The Department publishes the prevailing wage rates on its website at <http://labor.illinois.gov>. The Department revises the prevailing wage rates and the contractor/subcontractor has an obligation to check the Department's web site for revisions to prevailing wage rates. For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor's website. All contractors and subcontractors rendering services under this contract must comply with all requirements of the Act, including but not limited to, all wage requirements and notice and record keeping duties.

4.1 The Prevailing Wage Act, 820 ILCS 130/4, provides: "All bid specifications shall list the specified rates to all laborers, workers and mechanics in the locality for each craft or type of worker or mechanic needed to execute the contract. If the Department of Labor revises the prevailing rate of hourly wages to be paid by the public body, the revised rate shall apply to such contract, and the public body shall be responsible to notify the Contractor and each subcontractor of the revised rate."

4.1.1 The County shall notify the Contractor of any revised rates as determined by the Department of Labor and as received by the County. It shall be the responsibility and liability of the Contractor to promptly notify each and every subcontractor of said revised rates.

Unless otherwise specified in the Contract Documents, the Contractor shall assume all risks and responsibility for any changes to the prevailing hourly wage which may occur during the Contract Time. A revision to the prevailing rate of hourly wages shall not be cause for any adjustment in the Contract Sum.

4.2 The Prevailing Wage Act, 820 ILCS 130/5 provides that the Contractor and each Sub Contractor shall, "submit monthly, in person, by mail or electronically a certified payroll to the public body in charge of the project."

4.2.1 The Contractor shall submit to the County by tenth day, monthly, a certified payroll list including all workers, laborers and mechanics employed by the Contractor and each of the Sub Contractors.

4.2.2 The certified payroll records shall include each worker's name, address, telephone number, social security number, classification, number of hours worked each day, the hourly wage and starting and ending times each day.

4.2.3 Included with the payroll records, the Contractor and each Sub Contractor shall attest, in writing, to the veracity and accuracy of the records and that the hourly rate paid is not less than the general prevailing wages required.

5.0 The Child Labor Law, as amended, 820 ILCS 205/1, which provides: "No minor under 16 years of age at any time shall be employed, permitted or suffered to work in any gainful occupation...in any type of construction work within this state."

The Contractor will include verbatim or by reference the provisions contained herein in every subcontract it awards under which any portion of the contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. The Contractor will be liable for compliance with these provisions by such subcontractors.

The Contractor and each subcontractor shall keep or cause to be kept an accurate record of names, occupations and actual wages paid to each laborer, workman and mechanic employed by him in connection with the contract. This record shall be open at all reasonable hours for inspection by any representative of the County or the Illinois Department of Labor and must be preserved for four (4) years following completion of the contract.

6.0 The Illinois Department of Labor provided notice that due to the high unemployment rate caused by the ongoing COVID-19 pandemic, the Employment of Illinois Workers on Public Works Act will take effect beginning July 1, 2020. The state law requires the workforce on all public works projects to be comprised of a minimum of 90% Illinois residents. Please review the statute at the following link at <http://www.ilga.gov/legislation/ilcs/ilcs3.asp?ActID=549&ChapterID=7> and acknowledge, in writing that your respective organization will comply with the requirements set forth. The requirements set forth in this Act will be in full effect until notified, in writing, by Lake County.

Specifications for Item #1 - New Century Town Wastewater Treatment Plant in Vernon Hills, Illinois

1. Overview

Lake County Public Works is seeking bids based on the following specifications for labor, and quality workmanship, in preparation and application of industrial coatings to the Aerobic Digester Buildings Steel Railings. This equipment is located at the New Century Town Wastewater Treatment Plant in Vernon Hills, Illinois. (Owner: Lake County Public Works).

All work shall be completed as outlined in the Lake County Public Works Paint Specification: 2021, Lake County Public Works Maintenance Coatings Procedures, and in accordance with the manufactures recommended preparation and application guidelines per each coating. Any contradictions, missing or misleading statements, the contractor shall bring forth to the owner's attention for clarification.

The contractor shall provide the total lump sum cost to complete this project in a timely manner, and shall include labor, materials, sundries, surface preparation, acquisition, and application of coating(s) specified, along with the proper disposal of all waste generated with this project.

2. Scope of Work

This project involves the surface preparation and application of industrial coatings to the steel railings that surround the digester tanks. The railings are 1½' diameter steel tube with post spaced equally apart with a top and middle rail and a steel kick plate and the bottom edge.

There are three separate digestors that have steel railings, Digester seven is larger and has three rectangle plat forms that are 56' x 28' and two additional railings that are 56' long.

The rails are approximately 48" tall, with a 4" steel toe board, middle and top rails.

Digester seven is estimated at 2,200 lineal feet. (5' x 2, 56' x 7, 28' x 6)

Digester six is much smaller with 600 lineal feet.

Digester five is much smaller with 600 lineal feet (30' x 5, 15' x 1, 17' x 1 and 5' x 1 section)

These are aerobic digestors which are covered with a fiberglass roof designed to keep the wind off the tanks and to help retain the heat generated in the digestion process.

There are multiple layers of old paint and coatings that were applied over the years.

Analysis has determined one or more of the base paints contains lead. The contractor is not to aggressively disturbed the existing coatings.

3. Surface Preparation

Care must be taken and the workers must use the appropriate PPE with working on the railings.

The contractor shall remove the life rings and items attached to the railings that are not to be coated and will interfere with the painting project and be protected from loss or damage. At the end of the project the contractor shall reinstall the items removed. Where conduits are attached to the railing, they shall be coated along with the railing.

All surfaces will receive one full prime coat, followed by one coat to cover of specified epoxy coating.

The contractor shall be held responsible for the application of all coatings:

All coatings shall be handled and applied as specified by the manufacturer.

The contractor shall apply each coating at a rate to achieve the manufacturers specified dry film thickness (mils) unless otherwise specified by the owner.

The application of each coating shall be free of runs, sags and drips and holidays. The contractor shall remove, repair, and recoat said areas at their expense including the cost of any coatings required.

4. Surface Preparation

- A. The digester must remain in operation 24/7 as they are an integral part of the treatment process. Tank depths are 20 feet deep from the top railing to the bottom of the tank. Each tank will contain liquid sludge at various stages of digestion. The liquid level(s) may change throughout the day as sludge is processed.
- B. Safety is paramount when working around the tanks. Each worker shall utilize a fall protection harness and lanyard with fixed length to prevent falling into the tank. The contractor shall provide each worker with the appropriate PPE/ Safety PPE when working in or around the digestors. The lanyard length shall be suitable to prevent the worker from enter the liquid level of the tanks and drowning.
- C. The tanks will not be dewatered or emptied, and at no time shall anyone work on the tank side of the railing.
- D. The tanks are aerated. The aeration blowers will cycle on and off once every four hours. Anything that falls or drops into the tanks shall be considered lost and un-retrievable.
- E. The building is equipped with a ventilation unit that should remain in operation while working in the station.
 - a) If the contractor deems the ventilation is not adequate, then the contractor shall provide their own system. If at any time the ventilation equipment is unable to provide and maintain a safe environment, all work shall cease, and the site reverts to a permit required confined space.
 - b) If the ventilation is causing issues, arrangements with operations staff maybe able to turn off the system for short intervals.
- F. The IEPA requires extensive chemical testing of the sludge for land disposal and the intent of this project shall not interfere with this requirement. The contractor shall provide containment or implement the best available technology in capturing the debris from entering the tanks.
- G. Due to the humid atmosphere the contractor should be prepared to prime exposed surfaces before surface rust develops.

5. Preparation

The environment within the digestors promotes humid conditions, there are some air handling equipment that may not be operating 24/7. The contractor shall keep the plant's operations staff aware of any environmental factors that may interfere with the project.

Surface preparation: The contractor is to construct some form of containment to trap and collect falling debris from entering the tank below. This may be simply duct taping plastic to the bottom rail and extending out a few feet over the tank. The contractor will need to vacuum up the spent debris with a HEPA filter.

The railings shall be a solvent wiped to remove any dirt, oil, grease and water and SSPC-2 Hand tool cleaning.

All prepared surfaces shall receive one prime coat. Approved Coating: Sherwin Williams Pre-Prime 920.

All primed surfaces shall receive one topcoat to cover of Sherwin Williams Dura-Plate UHS epoxy 20 mils DF. The contractor shall capture and collect the spent media and properly dispose of in accordance with all state or local requirements.

Coatings

Primer: Sherwin Williams Pre-Prime 920, Application rate 1.5 – 2 Mil

Finish: Sherwin Williams Dura-Plate UHS epoxy 20 mils DFT Color: Congo Brown

Specifications for Item #2 - New Century Town Building 20 – Lower Level Pump Room in Vernon Hills, Illinois

1. Overview

Lake County Public Works is seeking bids based on the following specifications for labor and quality workmanship, in the surface preparation and application of industrial coatings to the lower-level pump room of Building 20, New Century Town Wastewater Treatment Plant, Located in Vernon Hills, Illinois. (Owner: Lake County Public Works).

All work shall be completed as outlined in the Lake County Public Works Paint Specification 2021. Lake County Public Works Maintenance Coatings Procedures, and in accordance with the manufactures recommended preparation and application guidelines per each coating. Any contradictions, missing or misleading statements, the contractor shall bring forth to the owner's attention for clarification.

The contractor shall provide the individual items cost, and total to complete this project in a timely manner, and shall include labor, materials, sundries, surface preparation, acquisition, and application of coating(s) specified, along with the proper disposal of all waste generated with this project.

2. Scope of Work

This project involves the cleaning, preparation, and application of industrial coatings to the Lower-Level Pump Room:

- A. Floor Pump room and stairwell.
- B. Walls, ceiling, pump bases, metal duct work, and accent boarders (floor and center strip).
- C. Pipes, pumps, motors, and valves.

Each item requires individual preparation and specific industrial coatings as specified herein.

3. Special Conditions

- A. This facility must remain in operation 24/7. The contractor will work with daily operations and coordinate the various phases of the project.
- B. The contractor shall notify the owner 24 hours in advance that a floor coating is to be applied.
- C. The contractor is to schedule 24 hours in advance all work around pumps. Pumps will start automatically without warning based on plant flow and head works.
- D. The systems chief operator will lock out and tag out such equipment on a daily basis as requested by the contractor. The contractor shall also abide with the Lake County Public Works Lock-Out Tag-Out policy and procedures.

Stairwell Floor: Width = 9' x Length = 19'

Lower-level floor dimensions: Width = 15' X Length = 33'

By the sump pump and doorway Width = 6' x Length =10'

Pump Room Height = Varies throughout 18' to 12'

(All dimensions are list in feet.)

4. Preparation

The contractor shall protect the pipes, pumps, lights and any other electrical components and fixtures from water damage.

Mold and mildew areas must be treated and removed with a bleach solution or mold and mildew remover.

All concrete surfaces shall be prepared per WP-1.00 and 1.10. When cleaning the surface use a pressure washer capable of 4000 – 5000 PSI. Only an emulsifying industrial detergent may be incorporated, followed by a water rinse. Do not use hydrocarbon solvents for cleaning.

The contractor shall protect the electrical panels and controls from water damage and any debris generated in the cleaning and preparation of the walls ceiling and floor.

The walls shall be allowed to dry thoroughly, prior to the application of the block filler.

The contractor shall apply one coat of block filler to bare concrete, feathering the application out to obtain a smooth uniform transition. Apply a coat of block filter to bug holes and spalled areas.

Apply two coats of SherCryl HPA to the walls and ceiling.

5. Pumps & Motors

All steel pipes shall be prepared per SP-2.10 Pipes and Metal Surfaces.

All Motors and Pumps shall be prepared prepare per as outlined in SP-2.50

Prime Coat: All surfaces shall receive one coat of Sherwin-Williams MC-Alum to cover.

Finish Coat: Motors, pumps, and pipes that receive dark green shall receive one finish coat to cover. Sherwin Williams Dura-Plate 235

Value handles shall receive two coats safety yellow.

Water lines shall receive two coats light blue.

6. Floor System

Prepare the floor in the stairwell and the lower-level pump room as outlined in FP-7.50

Note: The stairs will not be coated.

Visible surface cracks and holes in the floor shall be epoxy filled with 100% solids self-leveling filler. Once material is dry and cured. Sand smooth to be flat and even with the floors surface.

7. Coatings

Walls, ceiling, and duct work: Apply one full coat to cover: SHER-CRYL Sherwin-Williams Color Sanitary White at a rate of 8 - 10 mils wet.

Pipes Pumps and Motors: Apply one full prime coat Pre-Prime 920
 Apply one topcoat to cover Dura-Plate 235 Epoxy

Value handles shall receive two coats Safety Yellow.

Pumps Motors and intake and discharge piping: Gray

Drain Lines Sump pump: Thunder Gray.

100% Solids Epoxy Flooring

With the floor clean and dry free of oils, dirt, dust, and grime.

Apply one full coat of General Polymers 3746 High Performance Epoxy at a rate 15 – 20 wet mils.

Color: Gray

While the coating is still wet broadcast vinyl flake containing and equal parts of (Black, White & Blue) colored flakes, uniformly across the floor.

Once the coating has cured (typicality next day), swept, or vacuum the floor to remove any loose flake.

Topcoat Armoseal Rextthane 1, Add 4 oz or ½ pint of General Polymers 5190 (shark grip Fine GP5190C01) to each gallon. Mix at low speed, without introducing air bubbles for three (3) minutes until uniform. Color: Clear

Apply one coat to cover at a rate 4 wet mils of Armorseal Rextthane 1 with the shark grip additive. The final finish is to have anti-slip properties and still be able to keep clean.

Coat: General Polymers 3746 100% Solids Epoxy @ 10-15 mils DFT.

Broadcast: Vinyl Flake (per owner)

Finish Coat: Armorseal Rextthane Moisture Cured Clear Urethane @ 2-3 mils DFT.

Floor Color: Haze Gray with vinyl flake (Black, White & Blue)

8. Coatings Schedule

Preferred Vendor Sherwin-Williams

9. Walls and Ceiling

Prime: Pro Industrial Heavy-Duty Block Filler

Sher-Cryl HPA High Performance Acrylic @ 6 -10 mils DFT.

Color: White

Boarder and accent stripe: Color black 6" wide stripe on the wall along the floor

10. Piping and Metal Surfaces

Sherwin-Williams MC-Alum

Sherwin Williams Dura-Plate 235

Color: To be determined

11. Floor Systems

100% Solids Epoxy Flooring

Intermediate Coat: General Polymers 3746 100% Solids Epoxy @ 10-15 mils DFT.

Floor Color: Haze Gray

Broadcast: Vinyl Flake (equal mix of Black, White & Blue)

Finish Coat: Armorseal Rextthane Moisture Cured Clear Urethane @ 2-3 mils DFT.

The anti-skid shall not be aggressive, allowing for easier cleaning while offering slip / fall protection. General Polymers 5190 anti-skid. (Shark grip fine), .5 oz per gallon.

Color: Clear Semi-gloss

Specifications for Item #3 – Mill Creek Secondary Clarifier Exterior Coating

1. Overview

Lake County Public Works is seeking bids based on the following specifications for labor, and quality workmanship, in preparation and application of industrial coatings to the exterior concrete walls of two existing secondary clarifiers. The clarifiers are located at the Mill Creek Wastewater Treatment Plant in Mill Creek, Illinois (Owner: Lake County Public Works).

All work shall be completed as outlined in the Lake County Public Works Paint Specification 2021. Lake County Public Works Maintenance Coatings Procedures, and in accordance with the manufactures recommended preparation and application guidelines per each coating. Any contradictions, missing or misleading statements, the contractor shall bring forth to the owner's attention for clarification.

The contractor shall provide the total cost to complete this project in a timely manner, and shall include labor, materials, sundries, surface preparation, acquisition, and application of coating(s) specified herein, along with the proper disposal of all waste generated with this project.

2. Scope of Work

This project involves the surface preparation and application of industrial coatings to the concrete surfaces that surround two secondary clarifiers. The Bridges and supporting deck are not to be excluded from this project and must be protected from over spray or surface preparation.

There are two circular (secondary) clarifiers with a diameter of 70 feet, the wall height that extends above grade four (4) feet. There is a concrete structure between the two clarifiers that is below the bridge. The walls of this structure shall be included.

Surface preparation will involve the removal of rust, dirt, oils & grease, and loose coatings. Care must be taken that the tanks are not contaminated with undesirable materials.

3. Special Conditions

- A. The secondary clarifiers must remain in operation 24/7 as they are an integral part of the treatment process. Tank depths are 20 feet deep from the top railing to the bottom of the tank. Each tank contains liquid sludge.
- B. Safety is paramount when working around the tanks. At no time shall a worker walk along the top wall of the clarifiers without fall protection.
- C. The clarifiers will not be dewatered or emptied, and at no time shall anyone work on the tank side of the clarifiers.
- D. The contractor shall provide a copy of their safety procedures for fall protection.

4. Preparation

The contractor shall limit as best as possible the dust and flying debris to a minimum, to ensure no damage will result to the bridge, railings, or internal (water side) of the clarifiers.

It is recommended the contractor prepare the concrete surfaces as specified in WP-1.10 of the Maintenance Coatings Specification: 2021.

Bare concrete surfaces are to be primed with Sherwin Williams Loxon XP A-24-1400 series. Spalled areas, bug holes and cracks shall be patched with a paintable elastomeric patching compound or sealant prior to coating. Stripe coat all inside and outside corners with Loxon XP.

All prepared surfaces shall receive two coats of Loxon XP applied at a rate of 14- 18 mils per wet coat. The coating shall be applied when the temperature is above 40 degrees day and night. Application and handling shall be in accordance with the manufacture's specifications.

The contractor shall capture and collect the spent media and properly dispose of in accordance with any state or local requirements.

Coatings:

Concrete Patch 112.74 Brush-Grade Smooth WL700GLSB (6501-71788)

Primer: Sherwin Williams Loxon XP A-24-1400 series application rate: To cover

Finish Coat: Apply 2 coats Loxon XP A-24-1400 series application rate: 14 -18 mls WFT.

Specifications for Item #4 – Rollins Road Pump Station

1. Overview

Lake County Public Works is seeking bids based on the following specifications for labor, quality workmanship, in preparing and applying industrial coatings to Rollins Road Pump Station, Ingleside, Illinois. Lake County Public Works Department (Owner: Lake County Public Works).

All work shall be completed as outlined in the Lake County Public Works Paint Specification 2021. Lake County Public

Works Maintenance Coatings Procedures, and in accordance with the manufactures recommended preparation and application guidelines per each coating. Any contradictions, missing or misleading statements, the contractor shall bring forth to the owner's attention for clarification.

The contractor shall provide the individual items cost, and total to complete this project in a timely manner, and shall include labor, materials, sundries, surface preparation, acquisition, and application of coating(s) specified, along with the proper disposal of all waste generated with this project.

2. Scope of Work

This project involves the cleaning, preparation, and application of industrial coatings to the:

- A. Lower-level Pump Room - Floor
- B. Stairs – Steps, (Treads and risers)
- C. Pedestals – Pump bases and pipe supports.
- D. Wall Boarder – One block height high where applicable or nine inches from the floor along each wall in the lower pump room.
- E. Lower-level interior walls, ceiling, pipes, pumps, motors and valves.

Each item requires individual preparation and specific industrial coatings as specified herein.

3. Special Conditions

- A. This facility must remain in operation (24/7) and will require coordination between daily operations and the contractor.
- B. The contractor shall notify the owner 24 hours in advance that a floor coating is to be applied.
- C. The contractor is to schedule 24 hours in advance all work around pumps, hoists, and mechanical equipment.
- D. The systems chief operator will lock out and tag out such equipment on-a-daily-basis. The contractor shall also abide with the Lake County Public Works Lock-Out Tag-Out policy and procedures.
- E. A Hoist is available to move equipment to and from the lower level.
 - i. Prior to using the Hoist, the owner will provide training covering the Hoists controls and overall operation.
 - ii. The contractor shall provide his or her own straps and chains needed to safely secure each load.
 - iii. The contractor shall be held liable for any damages incurred in using the Hoist.

4. Preparation

Lower-level floor dimensions:	Length = 62'	Width = 20'	Height = 56'
Three stair landings each:	Length = 8'	Width = 6'	Height = 7'
Pump pedestals: 4 each	Length = 4'	Width = 4'	Height = 2'
Wall Boarder: 6" tall			

All dimensions are list in feet, unless noted. The contractor should verify each dimension.

Interior: Lower-level Pump Room Walls and Ceiling

The contractor shall protect the pipes, pumps, lights and any other electrical components and fixtures from water damage.

Mold and mildew areas must be treated and removed with a bleach solution or mold and mildew remover.

All concrete surfaces shall be prepared per WP-1.00 and 1.10. When cleaning the surface use a pressure washer capable of 4000 – 5000 PSI. only an emulsifying industrial detergent may be incorporated, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.**

The contractor shall protect the electrical panels and controls from water damage and any debris generated in the cleaning and preparation of the walls ceiling and floor.

The walls shall be allowed to dry thoroughly, prior to the application of the block filler.

The contractor shall apply one coat of block filler to bare concrete, bug holes and spalled areas.

The contractor shall feather out the application out to obtain a flat uniform transition between the painted and unpainted surfaces.

Apply two coats of SherCryl HPA to the walls and ceiling.

The wall boarder is measured from the floor extending upward eight (6") inches shall receive the same coatings as the floor in the lower lever pump room. (Height of a 6" roller).

Pumps & Motors

All steel pipes shall be prepared per SP-2.10 Pipes and Metal Surfaces.

All Motors and Pumps shall be prepared prepare per SP-2.50.

Prime Coat: All surfaces shall receive one coat of Sherwin-Williams MC-Alum to cover.

Finish Coat: Motors, pumps, and pipes that receive dark green shall receive one finish coat to cover. Sherwin Williams Dura-Plate 235

Value handles shall receive two coats safety yellow.

Water lines shall receive two coats light blue.

Concrete Floors

Previously Coated with PPG Mega Seal Epoxy /Urethane floor system many years ago. Full removal is not required where the coating is tightly adhered. Areas where the coating has failed shall need additional attention.

The existing coating is an epoxy and full removal is not required. The existing coating needs to be sanded, diamond ground, or shot blasted to impart a profile throughout to remove any loose material.

The Floor and Stairwell Preparation per FP-7.50 Previously Coated Floor and FP-7.90

Where space is limited and tight quarters, the contractor will have to do their best to prepare the floor. If the floor is going to be sanded the contractor shall use 40 – 60 grit. Exposed concrete shall be diamond ground or shot blasted to open the concrete. A vacuum shall be used to collect the dust and debris.

The finished abraded surface shall have a rough surface profile with no visible shiny spots and where any previous coatings were removed shall be feathered smooth with the surrounding aera.

Visible cracks and holes in the floor shall be epoxy filled with 100% solids self-leveling filler. Once material is dry and cured. Sand smooth to be flat and even with the floors surface.

The concrete pump pedestals: Shall be treated as part of the floor.

First Coat: Apply one coat to cover, General Polymers 3746 100% Solids Epoxy @ 10-15 mils DFT.

Finish Coat: Apply one coat to cover General Polymers 3746 100% Solids Epoxy @ 10-15 mils DFT. Color Safety yellow.

The stairs, stair treads and lower lever floor

First Coat: Shall receive on full coat to cover General Polymers 3746 100% Solids Epoxy @ 10-15 mils DFT. Color Haze Gray

While the coating is wet the contractor shall broadcast vinyl flake (equal mix of black, blue, and white flakes) to yield a uniform pattern throughout the painted areas.

Once the coating has cured, excess flake shall be swept or vacuumed up.

Finish Coat: Apply once coat Armorseal Rextthane with a light amount of anti-skid shall be applied to the stair treads and lower-level floor. The anti-skid shall not be aggressive, allowing for easier cleaning while offering slip / fall protection. The contractor shall add .5 oz Shark grip General Polymers 5190 anti-skid fine per gallon of Armorseal Rextthane.

Coating Schedule:

Preferred Vendor Sherwin-Williams

Walls and Ceiling:

Prime: Pro Industrial Heavy-Duty Block Filler

Sher-Cryl HPA High Performance Acrylic @ 6 -10 mils DFT.

Color: White

Boarder: Color Haze Gray 6" wide stripe on the wall along the floor

Piping and Metal surfaces:

Sherwin-Williams MC-Alum

Sherwin Williams Dura-Plate 235

Floor System:

100% Solids Epoxy Flooring

Intermediate Coat: General Polymers 3746 100% Solids Epoxy @ 10-15 mils DFT.

Floor Color: Haze Gray

Broadcast: Vinyl Flake (equal mix of Black, White & Blue)

Finish Coat: Armorseal Rextthane Moisture Cured Clear Urethane @ 2-3 mils DFT.

The anti-skid shall not be aggressive, allowing for easier cleaning while offering slip / fall protection. General Polymers 5190 anti-skid. (Shark grip fine), .5 oz per gallon.

Color: Clear Semi-gloss

Specifications for Item #5 – Brooks Farm Floor Coating Project

1. Overview

Lake County Public Works is seeking bids based on the following specifications for labor and quality workmanship, in preparing and applying industrial coatings to the Floors at the Brooks Farm Well House, Located in Round Lake, Illinois. (Owner: Lake County Public Works).

All work shall be completed as outlined in the Lake County Public Works Paint Specification 2021. Lake County Public Works Maintenance Coatings Procedures, and in accordance with the manufactures recommended preparation and application guidelines per each coating. Any contradictions, missing or misleading statements, the contractor shall bring forth to the owner's attention for clarification.

The contractor shall provide the individual items cost, and total to complete this project in a timely manner, and shall include labor, materials, sundries, surface preparation, acquisition, and application of coating(s) specified, along with the proper disposal of all waste generated with this project.

2. Scope of Work

This project involves the cleaning, surface preparation and application of a thin film 100% Solids Epoxy Flooring system that incorporates decorative vinyl flake and anti-side to the main floor, generator room, and bathroom at this facility.

See enclosed floor plan for dimensions.

3. Special Conditions

- A. This facility supplies drinking water to the community and must remain in operation 24/7.
- B. The contractor shall work with operations staff on-a-daily-basis to outline and coordinate all work to be completed.
- C. The contractor shall notify the operations staff 24 hours in advance whenever a floor coating is to be applied.
- D. The contractor is to schedule 24 hours in advance all work around pumps. Pumps and motors will start automatically without.
- E. The systems chief operator will lock out and tag out such equipment on-a-daily basis as requested by the contractor. The contractor shall also abide with the Lake County Public Works Lock-Out Tag-Out policy and procedures.

4. Preparation

The existing coating should be removed where possible as outlined per FP-7.50 Previously Coated Floor.

Note: All the areas that are tightly adhered and have not failed shall be abraded to impart a profile and shall be feathered out to yield a flat uniform surface with no visible craters or depressions.

Visible surface cracks and holes shall be epoxy filled with 100% solids self-leveling filler. Once material is dry and cured. Sand smooth to be flat and even with the floors surface.

With the floor clean and dry free of oils, dirt, dust, and grime.

Apply one full coat of General Polymers 3746 High Performance Epoxy at a rate 15 – 20 wet mils. Color Haze Gray While the coating is still wet broadcast vinyl flake containing and equal parts of (Black, White & Blue) colored flakes, uniformly across the floor.

Once the coating has cured (typicality next day), swept, or vacuum the floor to remove any loose flake.

Topcoat Armoseal Rexthane 1, Add 4 oz or ½ pint of General Polymers 5190 (shark grip Fine GP5190C01) to each gallon. Mix at low speed, without introducing air bubbles for three (3) minutes until uniform.

Apply one coat to cover at a rate 4 wet mils of Armoseal Rexthane 1 with the shark grip additive. The final finish is to have anti-slip properties and still be able to keep clean.

Coatings: Floor System

100% Solids Epoxy Flooring

Prime Coat: General Polymers 3746 100% Solids Epoxy @ 10-15 mils DFT.

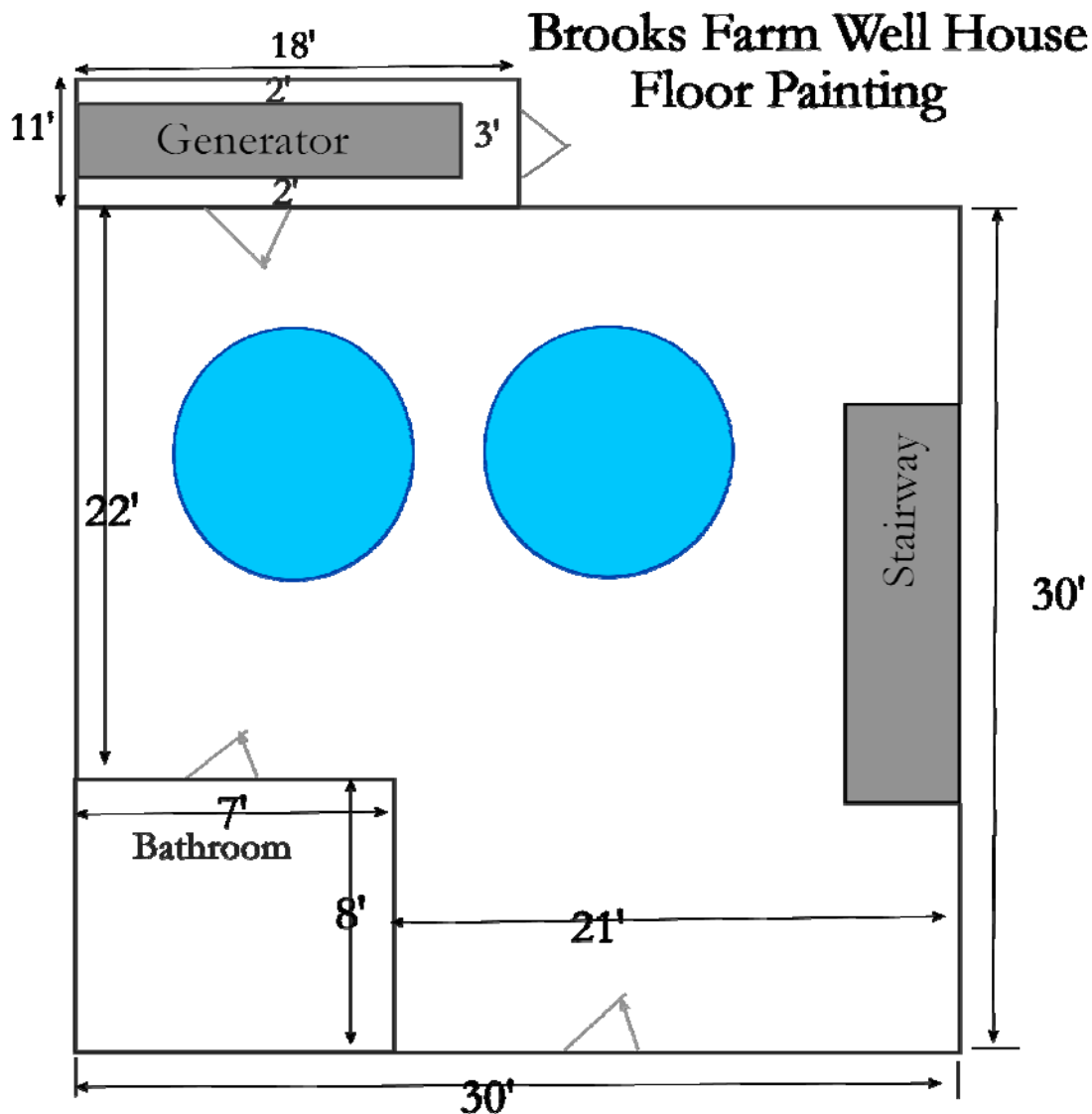
Broadcast: Vinyl Flake (Black, White & Blue)

Floor Color: Haze Gray

Finish Coat: Armorseal Rexthane 1 Moisture Cured Clear Urethane @ 2-3 mils DFT.

Add 4 oz or ½ pint of General Polymers 5190 (shark grip Fine GP5190C01) to each gallon.

Color: Clear Semi-Gloss



Specifications for Item #6 – Petite Lake Pump Station

1. Overview

Lake County Public Works is seeking bids based on the following specifications for labor, quality workmanship, in preparing and applying industrial coatings to Petite Lake Pump Station, Lake Villa, Illinois. Lake County Public Works Department, (Owner: Lake County Public Works).

All work shall be completed as outlined in the Lake County Public Works Paint Specification 2021. Lake County Public Works Maintenance Coatings Procedures, and in accordance with the manufactures recommended preparation and application guidelines per each coating. Any contradictions, missing or misleading statements, the contractor shall bring forth to the owner's attention for clarification.

The contractor shall provide the individual items cost, and total to complete this project in a timely manner, and shall include labor, materials, sundries, surface preparation, acquisition, and application of coating(s) specified, along with the proper disposal of all waste generated with this project.

2. Scope of Work

This project involves the cleaning, preparation, and application of industrial coatings to the:

- A. Lower-level Pump Room - Floor

- B. Stairs – Steps, (Treads and risers)
- C. Pedestals – Pump bases and pipe supports.
- D. Wall Boarder – One block height high where applicable or nine inches from the floor along each wall in the lower pump room.
- E. Lower-level interior walls, ceiling, pipes, pumps, motors, and valves.
- F. Floor lower level - abrade and recoat with thin film high build epoxy broadcast vinyl flake floor coating system.

Each item requires individual preparation and specific industrial coatings as specified herein.

3. Special Conditions

- A. This facility shall remain in operation (24/7) and will require coordination between daily operations and the contractor.
- B. The contractor shall notify the owner 24 hours in advance that a floor coating is to be applied.
- C. The contractor is to schedule 24 hours in advance all work around pumps, hoists, and mechanical equipment.
- D. The systems chief operator will lock out and tag out such equipment on-a-daily-basis. The contractor shall also abide with the Lake County Public Works Lock-Out Tag-Out policy and procedures.
 - i. The contractor's employees may opt to install their own lock on the Counties lock-out device.
 - ii. Each employee shall remove their lock at the end of the work shift or day.
 - iii. Failure to remove a lock and Lake County Public Works shall remove the lock at the contractor's expense.
- E. A Hoist is available to move equipment to and from the lower level.
 - i. Prior to using the Hoist, the owner will provide training covering the Hoists controls and overall operation.
 - ii. The contractor shall provide his or her own straps and chains needed to safely secure each load.
 - iii. The contractor shall be held liable for any damages incurred in using the Hoist.

4. Dimensions

Lower-level floor:	Length = 62'	Width = 23'	Height = 22'
Pump pedestals: 4 each	Length = 4'	Width = 4'	Height = 3'
Wall Boarder: 6" - 8" (inches tall)			

All dimensions are list in feet, unless noted. The contractor should verify the dimensions.

5. Preparation and Coatings

Lower Level wall

There are some cracks in the concrete walls that show signs of water penetration and effervescence. The contractor shall seal cracks by injecting urethane grouts or epoxy to seal the crack per CI-8.0.

Walls and Ceiling

Interior: Lower-level Pump Room Walls and Ceiling

The contractor shall protect the pipes, pumps, pump motors, lights and any other electrical components and fixtures from water damage.

Mold and mildew areas must be treated and removed with a bleach solution or mold and mildew remover.

All concrete surfaces shall be prepared per WP-1.00 and 1.10. When cleaning the surface use a pressure washer capable of 4000 – 5000 PSI. only an emulsifying industrial detergent may be incorporated, followed by a water rinse.
Do not use hydrocarbon solvents for cleaning.

The contractor shall protect the electrical panels and controls from water damage and any debris generated in the

cleaning and preparation of the walls ceiling and floor.

The walls shall be allowed to dry thoroughly, prior to the application of the block filler.

The contractor shall apply one coat of block filler to bare concrete, feathering the application out to obtain a smooth uniform transition. Apply a coat of block filter to bug holes and spalled areas.

Apply two coats of SherCryl HPA to the walls and ceiling. At 6 – 10 wet mils.

The wall boarder is measured from the floor extending upward eight (6”) inches shall receive one coat, with the same coatings as the floor in the lower lever pump room. (the height of 6” roller) with the same color as the floor, haze gay.

Sherwin-Williams:

Walls and Ceiling

Prime: Pro Industrial Heavy-Duty Block Filler

Sher-Cryl HPA High Performance Acrylic White

Piping and Metal Surfaces

Pipes, Brackets, Sump Pump Cover and Steel Objects shall be prepared per SP-2.10 Pipes and Metal Surfaces.

Pumps & Motors

All Motors and Pumps shall be prepared prepare per SP-2.0 – SP 2.5

The contractor shall coordinate with operations to Lock-Out and Tag-Out the Pump that will be worked on. The contractor shall not to work on pumps without being Locked Out. One or more pumps shall remain in operation as determined by operations staff. Pump motors that are covered and are in operation must be protected from water and debris while allowing the unit to have adequate air flow for cooling. At the end of each workday, operations and the contractor shall determine which pumps will be placed back in service.

Prime Coat: All areas where the existing coating has failed or where exposed or bare steel is present, shall be cleaned per SP 2.10 to obtain a suitable surface for priming. Said areas shall be spot primed with Sherwin Williams Pre-Prime 920.

Finish Coat: Motors, pumps, and pipes shall receive one finish coat to cover. Sherwin Williams Dura-Plate UHS at 6- 8 mils DF semi-gloss. Color Lake County Green, Vista Green.

Value handles shall receive two coats safety yellow Dura-Plate 253

Water tank and water lines shall receive two coats light blue. Dura-Plate 253

Floors Lower Level

The floor, stairs, stair treads were previously coated with a high solids epoxy and urethane topcoat. Full removal is not required where the existing coating is tightly adhered.

Where space is limited and tight quarters, the contractor will have to do their best to prepare the floor. If the floor is going to be sanded the contractor shall use 40 – 60 grit. Exposed concrete shall be diamond ground or shot blasted to open the concrete. A vacuum shall be used to collect the dust and debris.

Visible surface cracks, holes and spalled areas shall be epoxy filled with 100% solids self-leveling filler. Once material is dry and cured. Sand smooth to be flat and even with the floors surface.

The finished abraded surface shall have a rough surface profile with no visible shiny spots and where any previous

coatings were removed shall be feathered smooth with the surrounding area.

The concrete pump pedestals: Shall be treated as part of the floor.

First Coat: Apply one full Prime coat each base.

Finish Coat: Apply two (2) coats to each pump base as intermediate and finish coat: safety yellow.

The Floor and Stairwell Preparation per FP-7.50 Previously Coated Floor and FP-7.90

The existing coating should be removed where possible as outlined per FP-7.50 Previously Coated Floor. Note: All the areas that are tightly adhered and have not failed shall be abraded to impart a profile and shall be feathered out to yield a flat uniform surface with no visible craters or depressions.

Visible surface cracks, holes and spalled areas shall be epoxy filled with 100% solids self-leveling filler. Once material is dry and cured. Sand smooth to be flat and even with the floors surface.

The stairs, stair treads and lower level floor shall receive on full intermediate coat to cover at a rate greater than 10 mils DTF and less than 15 mils DFT.

While the coating is wet the contractor shall broadcast vinyl flake (equal mix of black, blue, and white flakes) to yield a uniform pattern throughout the painted areas.

Once the coating has cured, excess flake shall be swept or vacuumed up.

A finish coat of Armorseal Rextane with a light amount of anti-skid shall be applied to the stair treads and lower-level floor. The anti-skid shall not be aggressive, allowing for easier cleaning while offering slip / fall protection. The contractor shall add .5 oz Shark grip General Polymers 5190 anti-skid fine per gallon of Armorseal Rextane.

100% Solids Epoxy Flooring

Intermediate Coat: General Polymers 3746 100% Solids Epoxy @ 10-15 mils DFT.

Broadcast: Vinyl Flake (per owner)

Floor Color: Haze Gray with vinyl flake (Black, White & Blue)

Finish Coat: Armorseal Rextane Moisture Cured Clear Urethane @ 2-3 mils DFT.

Floor Color: Clear Semi-gloss

General Polymers 5190 anti-skid. (Shark grip fine), .5 oz per gallon

Boarder: Color Black 6" wide stripe on the wall along the floor

Specifications for Item #7 – Grainger Reservoir

1. Overview

Lake County Public Works is seeking bids based on the following specifications for labor, quality workmanship, in preparing and applying industrial coatings to Grainger Reservoir, located at the Grainger Headquarters in Lake Forest, Illinois (14195 W Hwy 60). Lake County Public Works Department, (Owner: Lake County Public Works).

All work shall be completed as outlined in the Lake County Public Works Paint Specification 2021. Lake County Public Works Maintenance Coatings Procedures, and in accordance with the manufactures recommended preparation and application guidelines per each coating. Any contradictions, missing or misleading statements, the contractor shall bring forth to the owner's attention for clarification.

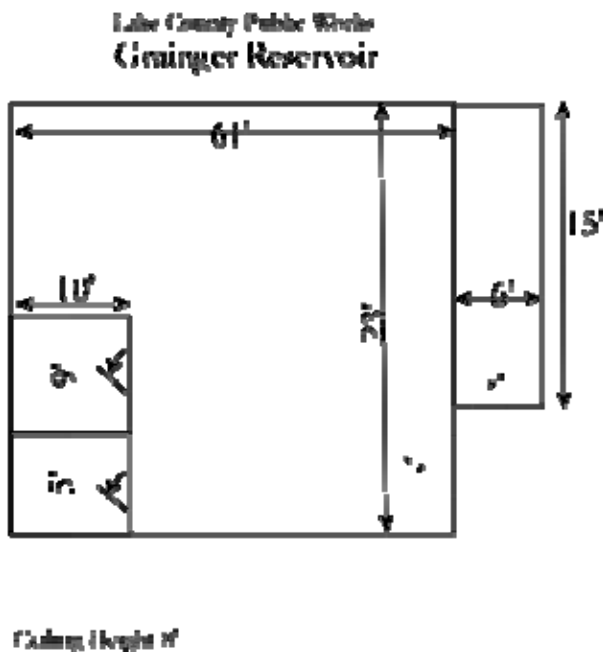
The contractor shall provide the total cost to complete this project in a timely manner, and shall include labor, materials,

sundries, surface preparation, acquisition, and application of coating(s) specified, along with the proper disposal of all waste generated with this project.

2. Scope of Work

This project involves the cleaning, preparation, and application of industrial coatings to the:

- A. Main Pump Room – Floor, walls, ceiling, pumps, motors, and related piping.
- B. Chlorine Room – Floor, walls, and ceiling.
- C. Bathroom – Floor, walls, and ceiling.
- D. Office – Floor, walls and ceiling



All dimensions are list in feet, unless noted. The contractor should verify each dimension.

Each item requires individual preparation and specific industrial coatings as specified herein.

3. Special Conditions

- A. This facility must always remain in operation and will require coordination between daily operations and the contractor.
- B. The contractor shall notify the owner 24 hours in advance that a floor coating is to be applied.
- C. The contractor is to schedule 24 hours in advance all work around pumps, and mechanical equipment.
- D. The systems chief operator will lock out and tag out such equipment as needed each day as scheduled by the contractor.
- E. The contractor shall also abide with the Lake County Public Works Lock-Out Tag-Out policy and procedures.

4. Preparation

Walls and Ceiling

The contractor shall protect the pipes, pumps, lights and any other electrical components and fixtures from water damage. The glazed block wall will not be coated. The surfaced shall be cleaned and washed and then protected from paint over spray if the contractor opts to spray any of the coatings.

Mold and mildew areas must be treated and removed with a bleach solution or mold and mildew remover.

All concrete surfaces shall be prepared per WP- 1.10. **Do not use hydrocarbon solvents for cleaning of previous coatings.**

The contractor shall protect the electrical panels and controls from water damage and any debris generated in the cleaning and preparation of the walls ceiling and floor.

The walls and ceiling shall be allowed to dry thoroughly, prior to the application of the block filler as needed. The contractor shall apply one coat of block filler to bare concrete, feathering the application out to obtain a smooth uniform transition. Apply a coat of block filter to bug holes and spalled areas.

The walls and ceiling surfaces must be clean and dry and shall receive two coats of SherCryl HPA. At a rate of 6-10 mil wet. The first coat maybe lightly tinted gray for contrast. The finish coat shall be white semi-gloss.

Electrical conduits

There are numerous runs of conduit electrical piping scattered throughout this space. New conduit piping shall be solvent cleaned (SSPC-SP1). Allow too thoroughly dry. Rusted areas shall be sanded with 80 grit sandpaper to remove the rust. Paint conduits with the wall color up to electrical cabinets. Do not paint the electrical cabinets or motor controls.

Piping, Pumps, Motors (Steel Objects)

All steel pipes shall be prepared per SP-2.10 Pipes and Metal Surfaces.

Prime Coat: All surfaces shall receive one coat of Sherwin-Williams MC-Alum to cover.

Finish Coat: Motors, pumps, and pipes that receive storms end blue shall receive one finish coat to cover.
Sherwin Williams Dura-Plate 235

Value handles shall receive two coats safety yellow.

Gas lines shall receive two coats safety orange.

Concrete Floors

The existing coating is an epoxy and full removal is not required. The existing coating needs to be sanded, diamond ground, or shot blasted to impart a profile throughout and remove any loose material.

The Floor Preparation per FP-7.50 Previously Coated Floor and FP-7.90

Where space is limited and tight quarters, the contractor will have to do their best to prepare the floor. If the floor is going to be sanded the contractor shall use 40 – 60 grit. Exposed concrete shall be diamond ground or shot blasted to open the concrete. A vacuum shall be used to collect the dust and debris.

Visible surface cracks, holes and spalled areas shall be epoxy filled with 100% solids self-leveling filler. Once material is dry and cured. Sand smooth to be flat and even with the floors surface.

The finished abraded surface shall have a rough surface profile with no visible shiny spots and where any previous coatings were removed shall be feathered smooth with the surrounding area.

Apply one coat to cover @ 10-15 mils DFT General Polymers 3746 100% Solids Epoxy.

While the coating is still wet, broadcast vinyl flake uniformly across the floor.

Once the coating has cured, excess flake shall be swept and vacuumed up.

The contractor shall add. .5 oz Shark grip General Polymers 5190 anti-skid fine per gallon of

Armorseal Rexthane. Finish coat; Apply one coat of Armorseal Rexthane @ 2-3 mils DFT with a light amount of anti-skid.

The anti-skid shall not be aggressive, allowing for easier cleaning while offering slip and fall protection.

Coatings:

Sherwin-Williams:

Walls and Ceiling

Prime: Pro Industrial Heavy-Duty Block Filler

Sher-Cryl HPA High Performance Acrylic. Color White semi-gloss

Piping and Metal surfaces

Sherwin-Williams MC-Alum

Sherwin Williams Dura-Plate 235. Color Lake County Green

Floor System

100% Solids Epoxy Flooring

Intermediate Coat: General Polymers 3746 100% Solids Epoxy @ 10-15 mils DFT.

Floor Color: Haze Gray

Broadcast: Vinyl Flake (equal mix of Black, White & Blue)

Finish Coat: Armorseal Rextthane Moisture Cured Clear Urethane @ 2-3 mils DFT.

The anti-skid shall not be aggressive, allowing for easier cleaning while offering slip protection. General Polymers 5190 anti-skid. (Shark grip fine), .5 oz per gallon

Color: Clear Semi-Gloss

Specifications for Item #8 – Vernon Hills Potable Water Reservoir – Greags Landing Painting (Scope 1)

1. Overview

Lake County Public Works is seeking bids based on the following specifications for labor, quality workmanship for the preparation and application for Concrete Repair/Moisture Vapor Mitigation, and Leak Stoppage within the interior of the reservoir for the application of a lining system. The Reservoir is in the Village of Vernon Hills Illinois, (Owner: Lake County Public Works).

The contractor shall provide the cost to complete this project, and shall include labor, all materials, sundries, surface preparation, coatings application, and the disposal of waste generated with this project.

All work shall be completed as outlined in the Lake County Public Works Paint Specification: 2021, Lake County Public Works Maintenance Coatings Procedures, and in accordance with the manufactures recommended preparation and application guidelines per each coating.

2. Scope of Work

Each facility is composed of two sections with a common wall separating the dry side, where the pumps and related controls reside, and the other side being the wet side or water reservoir. All work shall take place on the west side of the wall. All metal piping shall be coated prior to the application of the Elasto-Sheild.

Lake County operations staff will drain each reservoir, reading it for access.

NOTE: Pictures of these area are not readily available.

A. Reservoir Wall (Water side)

- i. The reservoir wall (waterside) shall be prepared and coated with a seamless monolithic flexible liner membrane approved ANSI/ NSF 61 for potable water usage, to prevent moisture migration and filling any cracks present. The application of coatings to the concrete wall and steel piping.
- ii. Extending three (3) feet on each the surrounding surfaces. Including any steel pipes that pass through the wall.

- iii. All surfaces shall be prepared in accordance with TNESEC'S ELASTO-SHIELD APPLICATION GUIDE and SHALL BE STRICTLY ADHERED TO. The painting schedule is included herein, allowable coatings are provided by Tnemec or Sherwin Williams. Tnemec provided the application guide and their product(s). Sherwin Williams provided an equal product.
- iv. The interior wall of the reservoir needs to be dry. Dehumidification will be required to expedite the removal of moisture present, within the reservoir. Additional, heating may also be required to meet the temperature required for the coatings specified herein.
- v. Lake County may be able to provide power to assist in the dehumidification. The contractor or sub-contractor will provide the power requirements, pigtailed and all other associated equipment required to Lake County Public Works for review, for determination on how to best meet these needs safely.
- vi. All work shall be accomplished from the interior portion of the reservoir (wet side). This space is a confined space. The contractor shall provide their own working 4x4 gas meter, anti-fall protection and harness to each worker entering and or working inside the reservoir. The owner may provide supplemental ventilation.
- vii. This project involves the removal of Elasto-Shield Series 264 to the common wall between the reservoir and pump room, (inside the reservoir from floor to ceiling, approximately 60' x 16').
- viii. The contractor shall address and fill voids, cracks, bug holes and spalled areas, restoring the surface to required surface plane with Tnemec 218.
- ix. Steel piping, fill pipe and pump withdrawal lines and bells shall be sand blasted with a blast profile meeting SSPC-10 /NACE 2 Near white metal blast suitable for full emersion coatings.

Reservoir dimensions 60'x 16', substrate reinforced concrete.

3. Special Conditions

- i. This is a potable water reservoir, and the contractor shall maintain a clean and sanitary work site.
- ii. All materials are to be NSF/ AWWA 61 approved for potable water usage.
- iii. Lock Out/Tag Out procedures shall be performed by the systems operator and must be scheduled in advance when working around energized equipment that starts without notice. Lockout and tagout is important for worker safety.
- iv. The reservoir cannot be left out of service for an extended time, once work begins the contractor shall continue to complete the job in a timely manner working Monday through Friday between the hours of 7 am - 3:30 PM. Extended hours shall be coordinated in advanced, without additional cost to the owner.
- v. Access to the reservoir is through a roof hatch; The contractor shall provide anti-fall protection and harness to each worker entering and or working inside the reservoir.
- vi. The contractor shall provide a working 4x4 gas meter to monitor the inside of the reservoir whenever workers are inside the reservoir.
- vii. The owner may provide supplemental ventilation upon request.

4. Preparation

Concrete wall:

P.000 The Contractor shall remove all of the existing ElastoShield in preparation for coating. It is recommended that the ElastoShield coating be removed by high-pressure water-jetting at a minimum 10,000 PSI or approved alternative method.

P.001 If the Contractor opts to utilize an alternative method; The contractor shall submit to the Owner/Engineer their alternate method plan(s). Each plan shall outline and describe the details involved with the removal method for review and approval. If the contractors method fails, the owner shall not be held liable for the time, material or equipment

used.

P.002 Following the complete removal of the existing coating the Contractor shall test the concrete wall for moisture in compliance with ASTM D 4263 (Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method) no coating shall be applied until satisfactory moisture test results are achieved.

P.003 The wall shall be inspected for any cracks or other defects that require repair, and the Contractor shall repair those areas (B.001) before coating application.

P.004 The wall surface shall then be prepared to a minimum CSP 3* surface profile in accordance with the manufacturer recommendations (A.001). * International Concrete Repair Institute (ICRI) – Concrete Surface Profile (CSP).

P.005 During the coating application the relative humidity shall be monitored and shall not exceed manufacturer recommendations.

P.006 The means for testing, removing, and monitoring concrete moisture content and relative humidity are the responsibility of the Contractor.

5. Application

A.000 Once each reservoir is deemed dry, work shall commence.

A.001 Abrasive blast all concrete surfaces in accordance with SSPC Society of Protective Coating's Specification SP-13 / CSP 3 to remove all laitance and solid contaminants. Blasting shall be performed sufficiently close to the surface so as to open up surface voids, bug-holes, air pockets and other subsurface irregularities. Concrete shall be dry before the application of the specified coating system.

A.002 Abrasive blast all steel surfaces in accordance with SSPC SP-10 Near White Metal blast cleaning.

A.003 In addition to the surface preparation requirements of this section, the contractor will follow the install and terminate the lining in accordance with the Elasto-Shield construction details guide Tnemec Elasto-Shield Leading Edge Termination DWG. NO TLS-21.

A.004 At each entry point where pipes pass there the wall, said areas shall be addressed per the detailed drawing Tnemec Elasto-Shield Sleeved or non-sleeved pipe penetrations DWG. NO TLS-23.

A.005 The contractor shall prepare the surface in accordance with the Tnemec ELASTO-SHEILD Standard Lining Details DWG. NO TLS-21 through DWG. NO TLS-27 as encountered.

A.006 In areas where the Elasto-Shield is tightly adhered to the wall. The contractor shall abrade (sandblast) the surface of these locations for the application.

Spot Repairs:

B.001 Spot fill large holes, cracks and air pockets with Tnemec Series 218 MortarClad. Minimum film thickness 1/16". Any areas requiring structural repair will be ordered in writing by the owner as an additional price for coating.

Primer:

C.001 Concrete: Spray apply and back roll one coat of Tnemec Series N140-00WH White Pota-Pox Plus to achieve a minimum spreading rate of 135 sq. ft. per gallon.

C.002 Steel: Apply one coat of Tnemec Series N140-00WH White Pota-Pox Plus at a dry film thickness of 4.0 to 6.0 mils

C.003 Tightly adhered ElastoShield: Apply one coat Tnemec series V260 applied between 30- to 60 minutes before

application of ElastoShield.

Specified Primer:

Tnemec: N140-00WH Pota-Pox Plus

Tnemec Series V260.

Finish:

C.004 Tnemec Series 264 Elasto-Shield shall be applied un-thinned, with a minimum recoat time between coats - 1/2 hour. The maximum recoat time between coats is four (4) hours.

C00.5 If the maximum recoat time is exceeded, or the area has existing Elasto-Shield that is tightly adhered, then the contractor shall scarify all areas to be coated by means of an abrasive brush blast. Apply one coat of Tneme-Bond Clear Series V260, one hour prior to the application of the Elasto-Shield. Preparation and application shall follow the Series V260 Product Data Sheet. Coverage rate 400 – 600 sq ft/gal using a garden-type sprayer capable of delivering a fine controlled mist coat. Do not over wet the surface or allow V260 to pond or puddle. Do not attempt to apply by other means.

C.006 To all vertical surfaces to be lined as directed by the owner, apply Series 264 Elasto-Shield to achieve minimum total dry film thickness of 60 mils (24 sq. ft./gallon, no loss factor). Vertical surfaces will require multiple passes at timed intervals to achieve recommended film thickness.

C.007 Floor surface: To all floor surfaces to be lined as directed by the owner, apply one coat of Series 264 Elasto-Shield to achieve a minimum total dry film thickness of 60 mils (24 sq. ft./gallon, no loss factor).

C.008 A minimum of 50 mils of Series 264 Elasto-Shield shall be applied to all primed pipes that are within three feet of the wall.

C.009 The contractor shall cut in keys ¼” deep grove x 3/16” wide saw cut joint, spaced 24” away from the wall on both side walls and along the floor as a termination point. If the key is cut dry, a vacuum with a HEPA filter for dust collection shall be utilized. IF the key is cut with a water saw, the contractor must account for the moisture to prevent a coating failure.

C.010 The new coating shall be applied up to and into the key to prevent water from creeping under the coating. The wall and surrounding aeras shall be primed prior to the application of elastomeric coating.

Steel Piping:

C.011 The fill pipe and pump suction pipes shall receive and near white metal bast (SSPC-10 /NACE 2) to completely remove all visible rust, scale, paint, foreign matter, dirt, dust, oil, and grease residue from the surfaces and outline in SB-4.0. Note: This coating shall be applied first and the Elasto-Sheild applied over to completely seal the wall.

C.012 There are two approved coating systems available for the contractor to choose from for the piping only:

Alterative Coating Tnemec

Apply two coats of Series N140 Pota-Pox-Plus with a target rate of 9 wet mils.

Alterative Coating Sherwin-Williams

Apply two coats of Sherwin Williams Macropoxy 646 PW with a target rate of 9 wet mils.

Specifications for Item #9 – Vernon Hills Potable Water Reservoir – Greggs Landing Painting (Scope 2)

1. Overview

Lake County Public Works is seeking quotes based on the following specifications for labor, quality workmanship for the preparation and application of industrial coatings to the pump room, electrical room, office and bathroom of the Gregg's Landing Reservoir. This project will not commence until Part 1 has been completed with the owner approval.

The Gregg's Landing Reservoir is located in the Village of Vernon Hills Illinois, (Owner: Lake County Public Works).

The contractor shall provide the cost to complete this project, and shall include labor, all materials, sundries, surface preparation, coatings application, and the disposal of waste generated with this project.

All work shall be completed as outlined in the Lake County Public Works Paint Specification: 2021, Lake County Public Works Maintenance Coatings Procedures, and in accordance with the manufactures recommended preparation and application guidelines per each coating.

2. Scope of Work

This project entails the surface preparation and the application of various Industrial coatings to the interior (dry side) of the reservoir. This includes:

1. All the interior walls Pipes and pumps within this facility as prepared, primed and coated with an industrial coating.
2. All interior steel doors, door and window jams are to be prepared, primed and coated with an industrial coating.
3. The floors (two levels), has an existing epoxy coating. This coating is to be abraded and re-coated with an industrial floor coating.

Notice: For clarification, the dry side of the reservoir is where the pumps, offices and electrical controls are housed. The only things not to be coated will be the ceiling and the electric panels, control boxes and flow meters. All items that will not be coated and are to be protected from damage during the cleaning and preparation phases. Notice: The contractor shall be held responsible for recoating said items at their expense.

Each coating shall be handled and applied as specified by the manufacturer. The contractor shall apply each coating to cover at a rate to achieve the manufacturers specified dry film thickness (mils) unless otherwise specified by the owner.

Reservoir dimensions 77'x 20', substrate concrete, and block walls. The reservoir is divided into four rooms. Pump Room 48' X 20 X 15', Electrical Room 29' X 12 X 10, Office 12' X 8' X 10', Bathroom 8' X 8' X 10' and the Chlorine room 8' X 7' X 10'

3. Special Conditions

- A. This is a potable water reservoir, and the contractor shall maintain a clean and sanitary work site.
- B. All materials are to be NSF/ AWWA 61 approved for potable water usage.
- C. Lock Out/Tag Out procedures shall be performed by the systems operator and must be scheduled in advance when working around energized equipment that starts without notice. Lockout and tagout is important for worker safety.
- D. The reservoir cannot be left out of service for an extended time, once work begins the contractor shall continue to complete the job in a timely manner working Monday through Friday between the hours of 7 am - 3:30 PM. Extended hours shall be coordinated in advanced, without additional cost to the owner.

Interior Walls

The contractor shall prepare the walls as per P.CP-1.00 and P.CP-1.10.

The contractor shall spot prime all failed areas where the previous coating is no longer tightly adhered to the surface. with an alkali-resistant primer to all concrete and block surfaces.

The contractor shall apply two coats of an acrylic coating to cover at the manufactures recommended total dry film

thickness. Color: White or Off-White

Interior Doors, Door and Window Jams

The doors, door and window jams are constructed of steel and shall be prepared per P.SP-1.10 Pipes & Metal surfaces. The doors and windows are not to be power washed which will most likely damage the seals. These surfaces are to be hand washed with a TSP or solvent cleaned.

Each surface shall receive a full and complete application of supplied coating to cover.

Product of choice is a DTM (Direct to Metal) industrial coating.

Motors, Pumps and Piping

The piping that carries water throughout the reservoir are not insulated and are to be painted. Condensation and moisture on the surface of the pipes is a concern as the dew points rise.

Care must be taken when working on and around the pumps and motors. The contractor shall work with operations staff to lockout and tagout motors and pumps, as these will start without any warning.

Preparation: All steel pipes shall be prepared per SP-2.10 Pipes and Metal Surfaces.

All Motors and Pumps shall be prepared per SP-2.50.

Prime Coat: All surfaces shall receive one coat of Sherwin-Williams MC-Alum to cover.

Finish Coat: Motors, pumps, and pipes shall receive one finish coat to cover. Sherwin Williams Dura-Plate 235 (storms end, light blue color)

Value handles shall receive two coats safety yellow.

Water lines shall receive two coats light blue.

Floors

The floors span two levels with a stairway extending to a lower level. Each floor was previously coated with an unknown coating and may not be compatible with the new system

There are areas where the existing coating has failed. The contractor shall remove all failed areas, leading up to tightly bond areas. Exposed areas of concrete shall be cleaned and prepared in a manner to open the concrete to receive a high solids industrial floor coating.

Note: The contractor may optionally install keys at doorways to form breaks between each room as outlined in FP-7.00.

The existing coating needs to be sanded, diamond ground, or shot blasted to impart a profile throughout to remove any loose material.

The Floor and Stairwell Preparation per FP-7.50 Previously Coated Floor and FP-7.90

Where space is limited and tight quarters, the contractor will have to do their best to prepare the floor.

- Where the existing coating is tightly adhered, the floor can be sanded using 40 to 60 grit abrasive pads to degloss and impart a profile to the said areas.
- Exposed concrete shall be diamond ground or shot blasted to open the concrete.
- A HEPA filter equipped vacuum shall be used to collect the dust and debris.

The finished abraded surface shall have a rough surface profile with no visible shiny spots and where any previous coatings were removed shall be feathered smooth with the surrounding area.

Visible cracks and holes in the floor shall be epoxy filled with 100% solids self-leveling filler. Once material is dry and cured. Sand smooth to be flat and even with the floors surface.

The concrete pump pedestals: Shall be treated as part of the floor.

First Coat: Apply one coat to cover, General Polymers 3746 100% Solids Epoxy @ 10-15 mils DFT.

Finish Coat: Apply one coat to cover General Polymers 3746 100% Solids Epoxy @ 10-15 mils DFT. Color Safety yellow.

The stairs, stair treads and lower level floor

First Coat: Shall receive on full coat to cover General Polymers 3746 100% Solids Epoxy @ 10-15 mils DFT. Color Haze Gray

While the coating is wet the contractor shall broadcast vinyl flake (equal mix of black, blue, and white flakes) to yield a uniform pattern throughout the painted areas.

Once the coating has cured, excess flake shall be swept or vacuumed up.

Finish Coat: Apply once coat Armorseal Rexthane with a light amount of anti-skid shall be applied to the stair treads and lower-level floor. The anti-skid shall not be aggressive, allowing for easier cleaning while offering slip / fall protection. The contractor shall add .5 oz Shark grip General Polymers 5190 anti-skid fine per gallon of Armorseal Rexthane.

All keys installed shall be filled with the appropriate expansion joint compound that matches the color of the floor coating.

Prime: Pro Industrial Heavy-Duty Block Filler

Sher-Cryl HPA High Performance Acrylic. Color White semi-gloss

Sherwin Williams Macropoxy 646 PW



Addendum Acknowledgement #22023

The undersigned acknowledges receipt of the following addendum(s):

ADDENDUM #	SIGNATURE

I have examined and carefully prepared the submittal documentation in detail before submitting my response to Lake County.

#22023
Bid Number: _____

Company Name: _____

Authorized Representative: _____

Signature

Authorized Representative: _____

Print

Date: _____

It is the vendor's responsibility to check for addendums, posted on the website at <http://lakecountypurchasingportal.com> prior to the submittal due date. No notification will be sent when addendums are posted unless there is an addendum within three business days of the submittal due date.

If the submittal has already been received by Lake County, vendors are required to acknowledge receipt of addendum via email to purchasing@lakecountyil.gov prior to the due date.

Submittals that do not acknowledge addendums may be rejected.

All responses are to be submitted in a sealed envelope. Envelopes are to be clearly marked with required submittal information.

FY2022 PAINTING PROJECTS FOR LAKE COUNTY PUBLIC WORKS
CONTRACTOR QUALIFICATIONS

March 2022

Name and Address of Office from which this contract will be administered
(ATTACH ADDITIONAL PAGES AS NEEDED)

Name: _____

Address: _____

Phone: _____ Fax: _____

Email Address _____

Project Manager: _____

Years in Business: _____

Number of Employees: _____

Annual Sales: \$ _____

Dunn & Bradstreet #: _____

Indicate if firm is a certified M/W/DBE and attach certification: _____

List employees who will be dedicated to the Project: (Attach additional pages as necessary)

NAME	POSITION TITLE	NUMBER OF YEARS	AREA OF RESPONSIBILITY/TASK EXPERIENCE
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Please return this form with all Bid Documents by the date and time shown on the Invitation to Bid.

Pursuant to applicable sections of the Lake County Purchasing Ordinance, the Purchasing Division is required to determine whether or not a bidder is responsible. A responsible bidder is defined as "an entity (business) who has the capability in all respects to perform fully the contract requirements, and the tenacity, perseverance, experience, integrity, reliability, capacity, facilities, equipment, and credit which will assure good faith performance." Information furnished by a bidder will be reviewed by the Purchasing Division, using department, and the project architect /engineer. Said information shall not be otherwise disclosed without prior written consent by the bidder. Failure to submit this form by the date and time specified shall be cause for rejection of your bid.

QUALIFICATIONS OF A RESPONSIBLE BIDDER

BIDDER shall comply with the following requirements:

Business duration: Minimum 10 years in business.

- a. References and Example Projects as identified in Section 4.0 shall meet the requirements listed therein.
- b. Safety: Worker's compensation premium modifier not more than 1.0 or an explanation of special circumstances.
- c. Contract completion history: No defaults of any construction.
- d. Reference check: Positive references and confirmation of firm's capabilities.

The contracting authority reserves the right to request written documentation of these qualifications. Project experience documentation shall include, at a minimum, the following information: Project name, brief project description, construction cost, construction start and completion dates, owner, owner's agent and architect including contact names and phone numbers.

1. For the current proposed project, list work to be performed by your own forces:

2. List Proposed Major Subcontractors for this Project:

Trade	Name	Amount (\$)	Apprenticeship Program Name	U.S. Dept. of Labor Registration Number

3. Bank Reference:

Address:

Contact:

4. Bonding Company:

Agency Name:

Address:

Contact:

5. Insurance Company:

Agency Name: _____
Address: _____

Contact: _____

6. Trade References (list Four):

Name: _____
Address: _____

Contact: _____
Telephone #: _____

Name: _____
Address: _____

Contact: _____
Telephone #: _____

Name: _____
Address: _____

Contact: _____
Telephone #: _____

Name: _____
Address: _____

Contact: _____
Telephone #: _____

7. A. Have you within the last five years failed to complete a contract?

Yes _____ No _____

B. Are there any judgments, claims or suits pending or outstanding against you?

Yes _____ No _____

If answer to either question is Yes, submit details on a separate sheet.

C. List all claims that have been filed by or against your firm due to construction contracts in the last five years, including arbitration:

9. Financial Statement- attach separate sheet(s) as necessary:

Current Assets:	\$	
Fixed Assets (Depreciated):	\$	
Other Assets:	\$	
Total Assets:		\$
Current Liabilities:	\$	
Long Term Liabilities:	\$	
Total Liabilities:		\$
Net Worth:		\$

Date of Latest Balance Sheet: _____

Accounting Firm: _____

(Lake County reserves the right to request a copy of financial statement.)

10. Major Contracts Completed During Last Five Years:

Year	Name of Project	Architect/Engineer	Contract Amount (\$)

11. Average Annual Billing for Last Five Years: \$ _____

12. Total Work in Progress and Under Contract: \$ _____

13. List All Major Work Currently Under Contract:

% Completed	Name of Project	Architect/Engineer	Contract Amount (\$)

The undersigned hereby certifies that answers to the foregoing questions and all statements therein contained are true and correct. Surety, bank, subcontractor, supplier, or any other persons, firms or corporations with whom we have done business, or who have extended any credit to us are hereby authorized to furnish you with any information you may request concerning our organization including, but not limited to, information concerning performance on previous work or credit standing with any of them. We hereby release any and all such parties from any legal responsibility whatsoever of having furnished such information to you.

Name of Organization: _____

By: _____

Title: _____ Date: _____

List below other organizations (users of similar size and structure to Lake County preferred) for which these or other similar services have been provided:

Agency Name _____
 Address _____
 City, State, Zip Code _____
 Telephone Number _____
 Contact Person _____
 Dates of Service _____
 Project Description _____

Agency Name _____
 Address _____
 City, State, Zip Code _____
 Telephone Number _____
 Contact Person _____
 Dates of Service _____
 Project Description _____

Agency Name _____
 Address _____
 City, State, Zip Code _____
 Telephone Number _____
 Contact Person _____
 Dates of Service _____
 Project Description _____

Agency Name _____
 Address _____
 City, State, Zip Code _____
 Telephone Number _____
 Contact Person _____
 Dates of Service _____
 Project Description _____

Agency Name _____
 Address _____
 City, State, Zip Code _____
 Telephone Number _____
 Contact Person _____
 Dates of Service _____
 Project Description _____

Please include any value-added services your firm provides in your response:

The County of Lake has a responsibility to balance fiscal, environmental and social considerations into its operational decision-making process. The County's commitment to green and sustainable practices and good environmental stewardship was memorialized by the Lake County Board in the County's 2013 Strategic Plan where sustainability is listed as a value and a goal. This was further strengthened in September 2020 by adopting a Net Zero Emissions goal through Joint Resolution. Therefore, we shall promote environmentally preferable purchasing, whenever practical, by procuring goods or services that lessen the destructive effects on the environment and the health and well-being of all citizens.

Consideration of the practices adopted by our contracted firms is key to magnifying the impact of the County's sustainability measures. Proposers are requested to provide a Statement of Sustainability demonstrating the methods they have incorporated into their firms. Sustainability may be one of the scoring criteria included the evaluation rubric for the award of this contract.

INSTRUCTIONS

Please provide a narrative outlining any policies or practices implemented by your firm to reduce your carbon footprint. Your response should include, but need not be limited to:

- A copy of your firm's sustainability policy, awards and accolades.
- Practices such as waste minimization, energy/water efficiency, methods instituted to reduce pollution, green products utilized, staff education, community involvement and volunteerism.
 - o Specifically include the percentage of your firm's energy that comes from renewable sources and percentage of your fleet that is non-emitting.
- Sustainable approaches your firm may have for this specific project.
- Cost variances to incorporate a more sustainable approach to this project and any calculated life cycle costs.



VENDOR DISCLOSURE STATEMENT

Vendor Name:			
Address:			
Contact Person:		Contact Phone #:	
Bid/RFP/SOI/Contract/Renewal:	Bid #22023		

Vendors wishing to contract with Lake County for goods and services in an amount greater than \$30,000 shall submit this form in advance of award. This disclosure statement is not required for utility companies regulated by the Illinois Commerce Commission or local units of government. Vendors shall disclose:

- A familial relationship between a Lake County elected official, department director, deputy director and manager and owners, principals, executives, officers, account managers or other similar managerial positions of the vendor's company. Familial relationship is defined as a spouse (including civil partner), child, stepchild, parent, stepparent, grandparent, in-laws (including parent, grandparent, sibling, or child), relatives and non-relatives living in the same residence, and offspring born to any aforementioned person.
- All political campaign contributions made by the vendor or an owner, principal, executive, officer, account manager, or other similar managerial position of the vendor to any county board member, county board chair, or countywide elected official within the last five years.

If there is nothing to report in a section, please state none in the appropriate space.

FAMILIAL RELATIONSHIPS

List names and departments/agencies of Lake County employees or public officials with whom owners, principals, or officers of the vendor's company have a familial relationship and the nature of the relationship. Attach additional pages as necessary. (Provide all names or state none in the space below. Do not leave blank.)

Name and Department/Agency of Lake County Employee/Public Official	Familial Relationship

CAMPAIGN CONTRIBUTIONS

List campaign contributions that have been made within the last five years that exceed \$150 annually. Attach additional pages as necessary. (Provide all names or state none in the space below. Do not leave blank.)

Recipient	Donor	Description (e.g., cash, type of item, in-kind service, etc.)	Amount/Value	Date Made

Continuing disclosure is required if information changes. This Vendor Disclosure Statement form is available at www.lakecountyil.gov.

The full text of the County's Ethics and Procurement policies and ordinances are available at www.lakecountyil.gov.

I hereby acknowledge that the information above is accurate and complete, that I am an authorized signer on behalf of the vendor, that I have read and understand these disclosure requirements, and that I agree to update this information if there are any related changes by submitting a new Vendor Disclosure Statement.

Authorized Signature:		Title:	
Printed Name:		Date:	

Vendors must insert "x" in the following box indicating exception and provide a brief narrative for exception.

☐



VENDOR CERTIFICATION FORM

Bid/RFP/SOI Number:	Bid #22023		
Vendor Name:			
Address:			
Primary Contact Name:			
Primary Contact Email Address:			
Primary Contact Phone Number:			
Project Manager Name:			
Project Manager Email Address:			
Project Manager Phone Number:			
# Years in Business:		Number of Employees:	
Annual Sales:	\$	Dunn & Bradstreet #:	
Vendor Certification Statement: Please identify all of the following that apply to the ownership of this firm. This information is collected for reporting purposes only and not vendor selection. Please include a copy of the certification. (Definitions are included on the second page of Vendor Certification Form).			
	Contractor certifies as a Minority – Business Enterprise (MBE)		
	Contractor certifies as a Women Business Enterprise (WBE)		
	Contractor certifies as a Veteran-Owned (VBE) Business Enterprise		
	Contractor certifies as a Persons with Disabilities Owned Business Enterprise (PDBE)		
	Contractor certifies as a Service-Disabled Veteran-Owned (SDVBE) Business Enterprise		
	Contractor certifies as a Business Enterprise Program (BEP)		
	Contractor certifies as a Small Disadvantaged Businesses (SDB)		
	Contractor certifies as a Veteran-Owned Small Business (VOSB)		
	Local Business		
	None		
Other (Specify)			
Certification Number:			
Certified by (Agency):			

I certify that this information is accurate to the best of my knowledge and that I am authorized to provide this information on behalf of my company.

Signature, Title

Printed Name, Title

Date

Vendor Certification Definitions

- **Minority-owned business (MBE)**

A business concern which is at least 51% owned by one or more minority persons, or in the case of a corporation, at least 51% of the stock in which is owned by one or more minority persons; and the management and daily business operations of which are controlled by one or more of the minority individuals who own it.

- **Woman-owned business (WBE)**

A business which is at least 51% owned by one or more women, or, in the case of a corporation, at least 51% of the stock in which is owned by one or more women; and the management and daily business operations of which are controlled by one or more of the women who own it.

- **Veteran-owned Business Enterprise (VBE)**

A small business (i) that is at least 51 percent owned, controlled and managed by one or more Eligible Veterans or in the case of a corporation, at least 51 percent or more of the stock of which is owned, controlled and managed by one or more Eligible Veterans.

- Eligible Veteran means a person who (i) has been either a member of the armed forces of the United States or, while a citizen of the United States, was a member of the armed forces of allies of the United States in time of hostilities with a foreign country and (ii) has served under one or more of the following conditions: (a) the veteran served a total of at least 6 months; (b) the veteran served for the duration of hostilities regardless of the length of the engagement; (c) the veteran was discharged on the basis of hardship; or (d) the veteran was released from active duty because of a service connected disability and was discharged under honorable conditions.
- Armed forces of the United States means the United States Army, Navy, Air Force, Marine Corps, Coast Guard or service in active duty as defined under 38 U.S.C. Section 101. Service in the Merchant Marine that constitutes active duty under Section 401 of federal Public Act 95-202 shall also be considered service in the armed forces for purposes of this Division.

- **Persons with Disabilities Owned Business Enterprise (PDBE)**

A small business (i) that is at least 51 percent owned, controlled and managed by one or more Persons with a Disability; or in the case of a corporation, at least 51 percent or more of the stock of which is owned, controlled, and managed by one or more Persons with a Disability.

- Disability or Disabled means, with respect to an individual, a physical or mental impairment that substantially limits one or more of the major life activities of the individual, a record of physical or mental impairment that substantially limits one or more of the major life activities of the individual, or being regarded as an individual with a physical or mental impairment that substantially limits one or more of the major life activities of the individual.

- **Service-Disabled Veteran-owned Business Enterprise (SDVBE)**

A small business (i) that is at least 51 percent owned, controlled, and managed by one or more qualified service disabled veterans or in the case of a corporation, at least 51 percent or more of the stock of which is owned, controlled and managed by one or more Service Disabled Veterans.

- Service-Disabled Veteran means an Eligible Veteran who has been found to have 10 percent or more service-connected disability by the United States Department of Veterans Affairs or the United States Department of Defense.
- Service-connected disability means a disability incurred in the line of duty in the active military, naval or air service as described in 38 U.S.C. 101(16).

- **BEP – Business Enterprise Program**

Business Enterprise Program (BEP) BEP assists businesses owned by minorities, women and people with disabilities gain access to the State of Illinois procurement process. BEP certification with the State of Illinois can also open the door to opportunities with other public and private entities which are looking for diverse suppliers.

- **Small Disadvantaged Businesses (SDB)**

A Small Disadvantaged Business (SDB) is a small business owned and controlled by socially and economically disadvantaged individuals as defined by Federal Acquisition Regulation (FAR) 19.001

- **Veteran-Owned Small Business (VOSB)**

A Veteran-Owned Small Business (VOSB) is a small business that is at least 51 percent owned by one or more veterans; or, if a publicly owned business, at least 51 percent of the stock is owned by one or more veterans. Also, one or more veterans control management and daily business operations of the firm.

- **Local business**

Lake County launched a Buy Local. Build Local. Work Local initiative in 2013 to increase the outreach and procurement opportunities for businesses located within Lake County, including women-owned businesses and minority-owned business enterprises (L/W/MBE). The overarching objective is to maximize participation from these businesses in the County's procurement process, in accordance with applicable law.



RESPONSIBLE BIDDER AFFIDAVIT

Vendor Name:		Federal Employer Tax Identification #:	
Address:			
Contact Person:		Contact Phone #:	

- That the bidder agrees to and shall comply with the Equal Opportunity Employer provisions of Section 2000e of Chapter 21, Title 42 of the United States Code and Federal Executive Order Number 11246, as amended, by Executive Order 11375, and has and shall comply with the Chapter 33 (Purchasing) of Title III of the Lake County Code of Ordinances, be amended to modify the definition of “Responsible Bidder or Offeror”.
- That bidder has Certificates of insurance in accordance with general terms and condition of the invitation for bid.
- That bidder hereby certifies that it shall comply with the provisions of the Illinois Prevailing Wage Act (820 ILCS 130/0.01 *et seq.*, as amended). All contractors and sub-contractors are required to turn in certified payrolls as specified in Illinois Public Act 94-0515, and follow all provisions of the Employee Classification Act, 820 ILCS 185/1 *et seq.*
- That the bidder hereby certifies: [check all that apply]

_____ bidder has not received any notices of violations of the Illinois Prevailing Wage Act (820 ILCS 130/0.01 *et seq.*); **or**

_____ in the event any such notice has been received by bidder, a copy of any such notice is attached hereto; **or**

_____ in the event that bidder has received such a notice, any documentation demonstrating the resolution of any such notice is attached hereto (attach additional pages to explain how the matter has been resolved)

- All bidders must provide three (3) projects as detailed on the invitation for bid reference form.
- Disclosure of the name and address of each subcontractor from whom the contractor has accepted a bid and/or intends to hire on any part of the project prior to the subcontractor commencing work on the project.
- The bidder and all bidder’s sub-contractors must participate in active apprenticeship and training programs approved and registered with the U.S. Department of Labor’s Office of Apprenticeship for each of the trades of work contemplated under the awarded contract.
- The bidder shall provide on a separate document a listing of all trades that are to be contracted under the awarded contract and submit the certificate of registration for the apprenticeship and training programs that have been approved and registered with the United States Department of Labor.

I hereby acknowledge that the information above is accurate and complete, that I am an authorized signer on behalf of the vendor, that I have read and understand these requirements, and that I agree to update this information if there are any related changes by submitting a new Responsible Bidder Affidavit.

Authorized Signature:		Title:	
Printed Name:		Date:	

Vendors must insert “x” in the following box indicating exception and provide a brief narrative for exception.

☐



Lake County Public Works Coatings Preparation

Specifications 2021

**Lake County Public Works
Coatings Preparation Specification: 2021**

LAKE COUNTY PUBLIC WORKS

The following general procedures shall apply to all maintenance coatings and painting projects applicable to Lake County Public Works Department. This document is referenced in the bidders painting specification.

Due to the nature of work and working environments, safety is a primary concern when working in and around the various facilities. Lake County Public Works Owns and operates wastewater treatment facilities and public water systems. Many of these facilities must remain in operation 24/7. Lake County Public Works Department has developed Safety Policies that address worker safety. These policies are referenced throughout the specification for all employees and contractors to follow.

This document provides our standards for surface preparation of industrial coatings. Coatings and coatings systems refer to various industrial paints used in the water and wastewater industry. Surface preparation is critical to the application of the specified coating or coating system. A coating system implies multiple products shall be utilized to obtain the final finish.

Index

General Procedures	Page 2
Technical Specifications	Page 6

Coatings and surface preparation

WP-1.00 CONCRETE PREPARATION: WALLS AND CEILING	Page 8
WP-1.10 CONCRETE PREPARATION: WALLS AND CEILING	Page 9
WP-1.20 NON-CONCRETE PREPARATION: WALLS AND CEILING	Page 11
SP-2.00 STEEL PREPARATION	Page 13
SP-2.10 PIPES AND METAL SURFACES	Page 14
SP-2.50 MOTORS AND PUMPS	Page 15
SB-4.0 SAND BLASTING	Page 16
SB-5.0 SPONGE-BLASTING	Page 17
PW-6.00 POWER WASHING	Page 18
FP-7.00 FLOOR PREPARATION	Page 20
FP-7.10 NEW OR UNPAINTED FLOOR	Page 22
FP-7.30 COMPLETE REMOVAL OF EXISTING COATING	Page 23
FP-7.50 PREVIOUSLY COATED FLOOR	Page 24
FP-7.70 HIGH TECH BROADCAST FLOOR	Page 25
FP-7.90 FLOOR PATCHING AND REPAIRS	Page 27
CI-8.00 CRACK INJECTION	Page 28

**Lake County Public Works
Coatings Preparation Specification: 2021**

FIRE HYDRANT

Page 31

CAN LIFT STATIONS
SUBMERISIBLE LIFT STATION and WET WELLS

WATER RESERVIOIRS
CONCRETE STRUCTURES

STEEL (Stand-Pipe Water Tower)

LIGHT POLES AND FLAG POLES

Lake County Public Works Coatings Preparation Specification: 2021

General Procedures

1. **Pre-construction:** A meeting shall be held two weeks prior to the start of any project. The purpose of this meeting will be to layout the job:
 - A. Point out safety concerns and address:
 - a. Lockout-Tagout. Policy 18:00
 - b. Confined Space Entry, pursuant to Policy 10:800
 - B. Determine a staging area, where contractor tools and supplies shall be stored.
Notice: The contractor shall provide all equipment and sundries, (brushes, rollers and sleeves, plastic, tape and any other expendable commodity) as required to complete the job in a safe and efficient manner.
 - C. Work Hours, and any other issues associated with the project.
2. **Extra's:** The contractor shall submit in writing the cost estimate, (submittal) for approval by the owner. No "Extra" work shall take place prior to the owner's approval. Approval will be through return of a signed copy of the submittal indicating that the work can proceed. The owner will not pay for "Extra's" unless said the Superintendent, Director of Operations or the Counties purchasing agent has authorized work.
3. **Product Handling:** The contractor shall handle, apply and disposed of in a safe manner in accordance with the manufactures labeled instructions and MSDS. Care must be taken when working around water or wastewater tanks. The contractor will be held responsible for any damages or violations incurred through improper handling or disposal of product(s).
4. **Product Disposal:** The contractor shall be responsible for handling and disposal of all spent solvents generated during this project. The owner encourages the contractor to reclaim the spent solvents for their reuse.

Empty paint cans are to be stored with their lids off and allowed to cure. Multiple component products such as epoxy's and urethanes shall be catalyzed prior to disposal. Storage of spent containers shall be done in a manner to prevent the containers from collecting rainwater, or snow. Disposing of any collected water poses a problem that will contaminate the surrounding environment and is hereby prohibited on site. The owner may opt to dispose of empty paint cans provided no liquid(s) or material can leave the can with its lid off. The contractor shall transport said wastes to a site authorized by the owner. The owner reserves the right to accepted or deny the disposal of any wastes on a case-by-case basis.
5. **Product Application:** The application of all coatings shall be applied in accordance with the manufactures label application rates to achieve the proper dry film thickness. Each coating shall be applied in a manner that meets the label requirements (brush & rolled, sprayed or by

Lake County Public Works Coatings Preparation Specification: 2021

other means). The application of thin film products and architectural coatings when applied to walls and ceilings; The Contractor should be aware that aesthetics' is an important part of the job as Lake County Public Works expects the finished surface to be smooth and uniform that is free of runs, drips, sags and ridges. During surface preparation, the contractor shall remove any existing runs and feather out any ridges where the existing coating(s) were removed and meets a tightly bonded coating. The contractor shall inform the owner of any problems, issues or surface defects that will interfere with the overall finished appearance of the job. Failure to do so will result in the removal, repair and re-coating of said areas at the contractor's expense.

6. **Work Hours & Facility Access:** Work hours are Monday through Friday from 7:00 AM to 3:30 PM. The contractor shall report to the assigned job site by 7:00 AM and be cleaned up and ready to leave by 3:30 PM each workday. The contractor can make special arrangements to augment these hours on job-by-job bases. These issues shall be determined at the pre-con meeting.
7. **Overtime:** The contractor shall schedule 24 – 48 hours in advance of any plans to work extended hours (overtime). The county will not be back charged or incur an Extra charge for overtime. Working on the weekends Saturday and possibly Sunday will be considered upon request.
8. **Facility Operations:** Each building located at or within the "Job" shall remain in operation at all times (24/7) unless otherwise noted. Coordination between the contractor and daily operations is paramount to provide a safe working environment. The contractor shall inform the personnel who routinely maintain the facility of their daily objective(s). The contractor shall brief the operators of the work that they intend to do. Before any work commences (daily) Lockout-Tagout issues should be determined and coordinated with operational staff.
9. **Safety:** The contractor is responsible for having their own safety policies. Copies of each policy shall be made available upon request and submitted with the bid.
The Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions in conjunction with the work specified here in. The Contractor shall take all necessary precautions for safety of and shall provide the necessary protection to prevent damage, injury, or loss to:
 - A. All persons on the site or who may be affected by the work.
 - B. All the work material and equipment to be incorporated therein.
 - C. All other properties at the site or adjacent thereto, including vehicles, landscaping, trees, shrubs, lawns) walks and pavements, utilities, and existing structures.
10. The contractor is to schedule 24 hours in advance all work around pumps, hoists, and electrical and or mechanical equipment. Thereby allowing the systems chief operator to lock out and tag out such equipment.

Lake County Public Works Coatings Preparation Specification: 2021

11. **LOCKOUT/TAGOUT** 18:000 and Electrical Safety 22:00: These issues are referred to throughout this specification. Lake County Public Works has established these policies' in conjunction with worker safety and OSHA regulations. All Public Works employees shall abide by these policies. When a piece of equipment is required to be Locked-out / Tagged-out, the contractor shall contact the Chief Operator or Plant Supervisor to deenergize the equipment. No work shall begin until the equipment has been locked out and Tagged out. The contract shall provide their own locks to each individual working on said equipment. The contractor's employees shall remove his or her lock at the end of their shift.
12. **Confined Space** (10:00): When specified, the contractors shall operate under their own entry permit. The contractor shall provide a copy of the completed permit(s) to the owner upon completion of the project.
13. The Lake County Public Safety Policies can be made available upon request through the Lake County Purchasing Department.
14. All work shall be performed in compliance with The Prevailing Wage Act, 820 ILCS 130/5.
15. Contradictions within the enclosed bid documents, technical specifications and or but not limited to the general scope of work. Shall be overwritten by the technical specifications and or the manufactures guidelines. Contradictions may occur through the codification process or changes to bid documents. Example, the phase "sandblasting is recommended" may appear in the scope of work. Whereas the technical specification will state a surface profile that references SSPC/NACE profile. The contractor shall achieve the stated profile listed in the technical specification. The term "recommend" shall imply the contract may choose an alternative method such as water blasting, or sponge blasting. Hand tool cleaning is not a recommend choice. The contractor shall remove at their expense all material if discovered the surface preparation does not meet the specified profile listed in the technical specifications or supporting documents.
16. The contractor may submit in writing a request to change or modify the surface preparation to the owner for approval to deviate from the specifications. The owner shall approve or denied the request in writing. The contractor shall outline the benefit, and reasons for said changes.

ARTICLE 23 – TAX

- 23.01 OWNER is exempt from the Illinois State and municipal or county Retailers Occupation Tax, Service Occupation Tax, Use Tax, Service Use Tax, as described in Illinois Revised Statute Chapter 120. Bid prices shall not include the cost of such taxes.
- 23.02 Federal excise tax does not apply to materials or services purchased by OWNER. Should the federal excise tax be applicable to this transaction, OWNER will furnish a federal

Lake County Public Works Coatings Preparation Specification: 2021

exemption certificate. The Bid prices quoted herein by Bidder shall include all other direct or indirect federal, state, and local taxes which apply.

- 23.03 Pursuant to 86 Ill. Adm. Code 130.2076, tangible personal property that is purchased by CONTRACTOR for incorporation into the OWNER's real property pursuant to CONTRACTOR's performance of this Contract shall be deemed purchased by the CONTRACTOR for the OWNER and transferred by the CONTRACTOR to the OWNER upon completion of this Contract.
- 23.04 CONTRACTOR(S) shall forward this information to their Suppliers in order that the sale of such materials and equipment be properly recorded as a tax-exempt sale. Such information shall be accompanied by a copy of the Contract or Purchase Order.
- 23.04 It shall be the CONTRACTOR's sole responsibility to obtain any necessary approvals from the Illinois Department of Revenue to obtain any exemption from the Retailers' Occupation Tax. If necessary, and upon request of the CONTRACTOR, the OWNER shall supply its tax exemption certificate to the CONTRACTOR, provided that CONTRACTOR shall not alter the tax exemption certificate and shall use it solely for purposes of exempting the above-described personal property purchases pursuant to the Contract.

Lake County Public Works Coatings Preparation Specification: 2021

TECHNICAL SPECIFICATIONS

A. VALVE COATING REMOVAL

When any Lake County Public Works maintenance painting involves the coating of valves, the Contractor(s) will be responsible for coordinating the cleaning and removal of old coatings from the valve stems with Public Works staff. Public Works management will decide on a case-by-case basis whether to remove all previous coatings in house or have the Contractor(s) perform this function during the cleaning and surface preparation phase of a given job. Pricing for coating removal from stems is to be billed per the hourly labor rate provided in the Contractor's bid, and is not to be included in the total bid price stipulated for individual maintenance painting. Valve stems are made of brass and care shall be taken not to gouge or impart deep scratches or scars on each stem.

The valve stem is a machine shaft that rides up and down when turned to open and close a valve. Paint on the shaft increases the shaft's diameter which affects the valve's internal seals and packing, and eventually leads to leaks. Several layers of coating can make the valve difficult to operate and taking valves apart requires removal of old coatings. Contractor(s) will be responsible for protecting all valve stems when coating of valves is required. All coatings, over sprays, drips and runs on valve stems are to be removed completely.

During the cleaning phase, the Contractor shall notify Lake County as to any valves that are found to be leaking. Lake County Public Works reserves the right to repair the device prior to maintenance painting. The Contractor shall be notified within 24 hours as to when Public Works maintenance personnel will repair the device.

In the event where the Contractor applies one or more coatings to a leaking valve, prior to the valve being repaired, the Contractor shall prepare and recoat the damaged areas at their expense.

B. ELECTRICAL BOXES, CONDUITS, AND CABINETS

Through the facilities are electrical boxes, control cabinets, conduits, seal tight conduit, pumps, motors and transformers. Control cabinets and breaker panels are not to be painted, unless specifically specified. Name plate information on pumps and motors are to be masked off and not painted. Electrical box covers are not to be coated. Boxes and conduits are to be coated. Seal tight conduit and any related fittings are not to be coated. The contractor shall take care to clean and prime these surfaces in accordance with the coating being applied.

C. FLOOR COATINGS

Each facility that Lake County Public Works owns and operates (Wastewater Treatment plants, Pump & Lift Stations and Well Houses) require continuous operation 24/7. It is important that the contractor inform the owner 24 hours in advance when floor preparation and coatings will take place. Cooperation between daily operations and the contractor's crew is vital so each party can interact to get the project completed without delays.

In the event where the Contractor fails to notify the owner or facility supervisor and operational personnel walk on or damage a newly coated floor, the Contractor shall prepare and recoat the damaged areas at their expense.

Lake County Public Works Coatings Preparation Specification: 2021

D. COATINGS

Coatings specified are intended to protect and extend the life of the substrate that the coating is applied to. The type of coating or coating system will vary and considers, the operating requirements, environmental conditions, wear and tear, and overall appearance.

Lake County Public Works is hiring qualified painters that have experience working with and applying industrial coatings. A qualified painter is expected to know what an acceptable coating profile is, as well as proper surface preparation, application temperatures (air & surface), humidity requirements that may pertain to a particular product. Product mixing is equally important to ensure the pigments, resins, hardeners, or all other materials are thoroughly mixed. In the case where multiple parts are required, each part shall be added in the correct order per the manufacture's guidelines. The painter shall adhere to sweat in time and pot life where applicable. The owner shall not be held responsible for products that did not cure, or fully cure in the time specified by the manufacture.

Lake County Public Works reserves the right to use the best available product in accordance with state and local regulations and VOC requirements.

Lake County Public Works will specify the coatings, colors, approved manufactures within the job or projects specification. Coatings that have not been approved, shall be submitted for approval as equal. The determination shall be based on the same chemical makeup, volume of solids and dry film thickness.

**Lake County Public Works
Coatings Preparation Specification: 2021**

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**Lake County Public Works
Coatings Preparation Specification: 2021**

WP-1.00

CONCRETE PREPARATION: WALLS AND CEILING

All equipment in the work area shall be Locked-Out and Tagged-Out prior to work commencing, pursuant to Lockout-Tagout Policy 18:00.

- 1.01 Power wash as outlined in PW-6.0 to aggressively remove all loose coatings by power washing with a minimum 4000-5000 PSI power.
Note: Areas where an Electrical hazard exists, in Lou of power washing these areas shall be prepared in accordance with WP-1.10.
- 1.02 The introduction of a mild Tri-Sodium phosphate solution may be incorporated into the wash water to aide in the removal of dirt, oils and grease. All concrete surfaces must be free of dirt, loose paint, oil and grease. Greasy areas shall be scrubbed clean with Tri-Sodium phosphate solution as needed to obtain a clean surface.
- 1.03 The walls and ceiling shall be washed with a bleach solution (one-part bleach and two parts water), to kill any mold and mildew present.
- 1.04 All concrete surfaces shall be rinsed with clean tap water to remove all residual-cleaning agents.
- 1.05 All concrete surfaces shall be allowed to dry thoroughly for a minimum of three (3) days, prior to the application of any coatings. The coatings specified herein require the substrate to be thoroughly dry to 12% moisture content.
- 1.06 As the concrete dries, some of the remaining coating(s) will begin to release from the surface. Most notability the edges of the coating will lift and curl. These areas will need to be removed, either through mechanical abrasion or a heat gun and scrapping.
- 1.07 The contractor shall fill all cracks and large openings greater than a 3/8" with a concrete grout, mortar or 100% solids epoxy, (Hydraulic cement is not acceptable). Small cracks shall be filled with epoxy or caulked, using a flexible urethane material suitable for painting. The application of these materials shall be applied in a manner to yield a flat smooth uniform surface that blends into the surrounding area.
- 1.08 Bear or exposed concrete shall be primed as specified in the coatings schedule.
- 1.09 The application of the intermediate and or finish coats will be specified in the coatings schedule.

**Lake County Public Works
Coatings Preparation Specification: 2021**

WP-1.10

CONCRETE PREPARATION: WALLS AND CEILING

If power washing is not viable as specified in WP-1.00, do to electrical or mechanical equipment that present safety issues or water damage. These areas shall be hand tool cleaned in a manner as to mitigate any harm to either the individuals performing the tasks or the surrounding equipment.

All equipment in the work area shall be Locked-Out and Tagged-Out prior to work commencing, pursuant to Lockout-Tagout Policy 18:00.

- 1.11 Scrap by hand to loosen and remove any loose coatings and debris. Paint chips and debris are to be collected and disposed of in accordance with the best practices for the type of coating being removed.
- 1.12 Wash by hand with a mild TSP solution to remove all dirt, oils and grease present.
- 1.13 If mold and mildew is present, the application of a bleach solution (one-part bleach to two parts water) shall be applied.
- 1.14 By hand all surfaces shall be rinsed clean with tap water on a rag or sponge to remove the remaining cleaning agents.
- 1.15 Grind areas where coating failures have occurred with a wire brush or wheel to remove as much of the loose coatings as possible to a sound surface. Where the existing coating is tightly adhered; sand these areas to feather out the ridge where the removed coating(s) meets the existing coatings to yield a flat uniform surface.
- 1.16 All Runs and Sags in the previous coating(s) are to be sanded down to yield a flat uniform surface.
- 1.17 If the existing coating needs to be de-glossed, these areas shall be sanded with 100- grit sandpaper to in part a profile. The use of de-glossing agents is not recommended, and the contractor shall take full responsibility for its use.
- 1.18 The contractor shall fill all cracks and large openings greater than a 3/8" with a concrete grout, mortar or 100% solids epoxy. Hydraulic cement is not acceptable unless top coated with 100% solids epoxy. Small cracks shall be filled with 100% solids epoxy or caulked, using a flexible urethane material suitable for painting. The application of these materials shall be applied in a manner to yield a smooth flat surface that blends into the surrounding area, and not stand out with the application of the coatings.

**Lake County Public Works
Coatings Preparation Specification: 2021**

- 1.19 Bear or exposed concrete shall be primed as specified in the coatings schedule.
- 1.20 The application of the intermediate and or finish coats will be specified in the coatings schedule.

**Lake County Public Works
Coatings Preparation Specification: 2021**

WP-1.20

NON-CONCRETE PREPARATION: WALLS AND CEILING

These areas primarily consist of drywall or wood sub straight. These surfaces shall be cleaned by hand, in a manner as not to cause harm to the sub straight, or any attached items.

- 1.21 All equipment in the work area shall be Locked-Out and Tagged-Out prior to work commencing, pursuant to Lockout-Tagout Policy 18:00.
- 1.22 Scrap by hand to loosen and remove any loose coatings and debris. Paint chips and debris are to be collected and disposed of in accordance with the best practices for the type of coating being removed.
- 1.23 Wash by hand with a mild TSP solution to remove all dirt, oils and grease present. Electrical boxes, outlet receptacles and power sources are to be protected.
- 1.24 If mold and mildew is present, the application of a bleach solution (one-part bleach to two parts water) shall be applied. Any areas that contain mold shall be brought to the attention of the owner. The cause of the mold needs to be determined.
- 1.25 The owner and contractor shall determine which areas shall be removed and replaced based on mold or any other existing damages.
- 1.26 The owner will be allowed enough time to replace defect or damaged wall board without incurring back charges or delays. Replacement maybe carried out by Public Works personnel, or as an extra. Any delays caused by the owner shall be added to the back end of the completion date.
- 1.27 By hand all surfaces shall be rinsed clean with tap water on a rag or sponge to remove the remaining cleaning agents.
- 1.28 All runs and sags in the previous coating(s) are to be sanded down to yield a flat uniform surface.
- 1.29 If the existing coating needs to be de-glossed, these areas shall be sanded with 100-grit sandpaper to in part a profile. The use of de-glossing agents is not recommended, and the contractor shall take full responsibility for its use, unless directed by the coating manufacture or product representative / coating specialist.
- 1.30 The contractor shall fill all small holes with dry wall compound or suitable caulking compound.
- 1.31 Cracks and large openings shall be tapped. The contractor shall utilize the

Lake County Public Works Coatings Preparation Specification: 2021

appropriate tape (fiberglass or perforated tape) for the area(s) to minimize future failures.

- 1.32 Multiple applications of dry wall compound shall be use and sanded between applications. The application of these materials shall be applied in a manner to yield a smooth flat surface that blends into the surrounding area, and not stand out with the application of the coatings.
- 1.33 All drywall compounds and caulking materials must be suitable for painting, unless otherwise specified.
- 1.34 An acceptably prepared surface should be free of contaminants, dust, loosely adhering (dry wall, dry tape and drywall compound), and shall be dry, sound and uniform, suitable for the application of industrial coatings.
- 1.35 Newly installed drywall and patched drywall will be primed as specified in the coatings schedule.
- 1.36 The application of the intermediate and or finish coats will be specified in the coatings schedule.

**Lake County Public Works
Coatings Preparation Specification: 2021**

SP-2.00

STEEL PREPARATION

The contractor shall notify the owner of any structural or moisture problems that are encountered during the preparation. The owner reserves the right to repair said areas in a timely fashion without incurring back charges due to work interruptions while the repairs take place.

Product selection will be based on the exposure to the elements and surrounding environmental conditions. Products are generally specified within each specification and are subject to change during a pre-bid walk through.

The contractor shall not apply coatings to the Name Plates on any machinery, (i.e., pumps & motors). This information shall be protected and preserved throughout the project.

The contractor shall not apply coatings to stainless steel nuts and bolts, or any newly installed nut and bolts, unless directed to do so in writing.

Spot priming is not acceptable unless it is specifically specified in the coatings schedule. The contractor should be prepared to apply one full coat to cover of the specified primer to all surfaces.

All steel or metal surfaces shall be prepared as follows:

Pipes & Metal surfaces	SP-2.1
Motors & Pumps	SP-2.5
Sand Blasting	SB-4.0
Sponge-Blasting	SB-5.0

**Lake County Public Works
Coatings Preparation Specification: 2021**

SP-2.10

PIPES AND METAL SURFACES

- 2.11 The contractor shall determine the best means to clean and prepare the pipes in accordance with the manufacture recommendation. This procedure is applicable to non-submerged surfaces where sandblasting, water-jetting or pressure washing is not warranted or viable.
- 2.12 All surfaces must be free of dirt, loose paint, oil and grease. Greasy / oily areas shall be solvent cleaned to obtain a clean surface.
- 2.13 Areas that contain mold and mildew shall be washed with a bleach solution and rinsed cleaned with water.
- 2.14 Rust, loose coating(s) runs, and sags shall be removed by power tool cleaning, (SSPC-SP 11) using a grinder with a suitable media, or needle gun, that will not damage the metal substrate. Grinding shall extend outwards to the point where the existing coating is sound and tightly adhered. The contractor shall notify the owner of any structural defects as exposed during the surface preparation.
- 2.15 Areas where the previous coating(s) was removed, the old coating shall be feathered back to yield a flat and ridge free surface.
- 2.16 All surfaces shall then be sanded with 80 and 100 grit paper to de-gloss and impart a suitable profile to accept the primer.
- 2.17 The contractor shall work in a manner that allows the areas that have been prepared, to be primed on the same day.
- 2.18 All surfaces shall receive one full coat of primer, unless noted otherwise.
- 2.19 Exception: Valve stems on any gate valve shall not be coated. The contractor will be held responsible for damages incurred along with the removal of the applied coating(s) to the valve stem.
- 2.20 Flash rust shall be removed by hand tool and solvent cleaning.
- 2.21 All surfaces shall receive one or more finish coat(s) as specified in the coatings schedule.

**Lake County Public Works
Coatings Preparation Specification: 2021**

SP-2.50

MOTORS AND PUMPS

- 2.51 Daily the contractor shall work with operations personnel to determine which controls shall be locked out and tagged out. The contractor shall not work on or around any motors, pumps, electrical controls, or any other energized equipment. Until said equipment has been locked-out and tagged-out in accordance with the Lake County Public Works Lockout-Tagout policy 18:00. The contractor shall inform their employees the pumps can and will start automatically without warning. Unless they are locked out and tagged out.
- 2.52 The immediate supervisor or chief operator shall lockout and tag-out the motor and pump controls daily. The contractor shall also abide by this policy when working on or around all motors and pumps. All locks placed by the contractor shall be removed prior to the end of each workday.
- 2.53 All surfaces shall be solvent cleaned to obtain a clean surface free of dirt, oil and grease (SSPC-SP 1).
- 2.54 All surfaces can be washed with TSP or a suitable detergent. Care must be taken to ensure that water does not enter the electrical windings of any motor, or short out any electrical controls. These areas will then be wiped clean with a damp cloth to remove any residue left by the detergent.
- 2.56 Rust, loose coating(s) and mill scale shall be removed by power tool cleaning (SSPC-SP 11), using a grinder with a suitable media that will not damage the substrate. Grinding shall extend outwards to the point where the existing coating is sound and tightly adhered.
- 2.57 Areas where the previous coating(s) was removed, the old coating shall be feathered back to yield a flat and ridge free surface.
- 2.58 Runs and sags within the existing coatings shall be removed through hand SSPC-SP 2 or power tool SSPC-SP3 cleaning.
- 2.59 All surfaces shall then be sanded with 80 and 100 grit paper to de-gloss and impart a suitable profile to accept the primer.
- 2.60 The contractor shall work in a manner that allows the areas that have been prepared, to be primed on the same day, receiving one coat to cover. Once the primed areas have dried, the surrounding edges shall be feathered back to yield a flat uniform surface prior to the application of the next coating.

**Lake County Public Works
Coatings Preparation Specification: 2021**

- 2.61 Flash rust shall be removed by hand tool and solvent cleaning prior to the application of the primer as specified in the coatings schedule.

**Lake County Public Works
Coatings Preparation Specification: 2021**

SB-4.0

SAND BLASTING

Here in where the specifications indicate surface preparation by sandblasting, the contractor shall abide by the following:

- 4.01 Sandblasting shall be accomplished with a non-silica product.
- 4.02 The contractor will supply all blast media needed for each project.
- 4.03 The contractor shall handle and dispose of all spent media and related debris generated during the project, in accordance with all local and state environmental rules and regulations pertaining to the sandblasting operation.
- 4.04 The contractor shall provide the necessary containment on a project-by-project basis that meets or exceeds all local and state environmental rules and OSHA regulations. Said containment shall contain spent blast media, debris, ensuring no damage or harm will be incurred to the areas surrounding and be suitable in meeting air quality standards.
- 4.05 The contractor shall take the necessary means to protect electrical controls, pumps, motors and manufacture labels or tags from damage.
- 4.06 Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods.
- 4.07 The preparation level or blast profile that the contractor shall obtain will be in accordance with SSPC (Steel Structures Painting Council) and NACE International (originally known as "The National Association of Corrosion Engineers"). Some of the common standards are listed below in section 4.08 Blast Profiles. The contractor should consult with SSPC and NACE to insure there are no changes or modifications to these standards.
- 4.08 Blast Profiles

SSPC-10 / NACE 2 Near White Blast:

Complete removal of rust, rust scale, mill scale, paint, or foreign matter, no visible dirt, dust, oil, grease shall reside. No paint or rust residue may reside in the bottom of pits. Very slight surface streaks and discoloration is allowable. At least 96% of all foreign matter per square inch must be removed.

SSPC-6 / NACE 3 Commercial Blast:

Complete removal of rust, rust scale, mill scale, paint, or foreign matter, no visible

Lake County Public Works Coatings Preparation Specification: 2021

dirt, dust, oil, grease shall reside. A slight amount of paint or rust residue may reside in the bottom of pits. Surface streaks and discoloration is allowable. At least 30% or 1/3 of all foreign matter per square inch must be removed.

SSPC-SP7 / NACE 4- Brush-Off Blast:

A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust, and loose paint. Tightly adherent mill scale, rust, and paint may remain on the surface. Mill scale, rust, and coating are considered adherent if they cannot be removed by lifting with a dull putty knife.

- 4.10 The contractor shall work in a manner that allows the areas that have been prepared, to be primed on the same day.
- 4.11 The placement of the blast pot and surround area shall be protected from damage when the pot is de-pressurized, (adding additional blast media, etc.) Failure to do so will result in the contractor to repair and or replace the damage(s) incurred at their expense.
- 4.12 The contractor shall clean up spent debris, blast media, dirt and dust that has escaped the containment field during the blasting operation. That meets or exceeds the surrounding environment prior to the blasting operation.

SB-5.0

SPONGE-BLASTING

Sponge blasting or Sponge Jetting shall be utilized where required by the owner as an alternative to sand blasting SB-4.0. The contractor will supply all sponge media and handle the disposal of all spent media and related debris accumulate for the project. The level, to which the contractor shall blast to, shall be in accordance with SSPC (Steel Structures Painting Council) and NACE International (originally known as "The National Association of Corrosion Engineers"). As listed is section 4.08 Blast Profiles.

Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods.

All other conditions specified in SP-2.10 are to be adhered too.

**Lake County Public Works
Coatings Preparation Specification: 2021**

PW-6.00

POWER WASHING

Each job that requires pressure washing shall abide by the following rules and guidelines.

- 6.01 The owner will provide a source of water. The source of water maybe potable or non-potable therefore, the contractor shall treat the water being provided for power washing as non-potable.
- 6.02 Electrical panels and pump controls, thermostats, light ballasts, outlets, and switches are to be protected. The contractor shall cover all electrical sources with a waterproof membrane or plastic. The contractor shall apply this material in a manner to ensure that moisture will not penetrate the barrier and short out or damage the equipment. The contractor shall be held liable for the failure to adequately protect electrical controls.
- 6.03 The contractor shall cover all floor drains in the work area with a screen or burlap that can capture and collect the debris created in the surface preparation, allowing filter water to escape. The contractor shall do their best to prevent paint chips, solid waste, mud, and oils from leaving the site.
- 6.04 Motor and pump controls shall be locked-out and tagged-out in accordance with the Lake County Public Works Lockout - Tagout policy. The immediate supervisor or chief operator shall lockout and tagout the motor and pump controls. The contractor shall also abide by this policy when working around motors and pumps. All locks placed by the contractor shall be removed prior to the end of each workday.
- 6.05 Aggressively remove all loose coatings by power washing with an oscillating paint removing tip, or power head. The pressure washers' size will vary based on the job, and the level of cleaning desired. The contractor shall provide a power washer capable of providing and sustaining a minimum 2000-PSI and not to exceed 5000-PSI. The contractor shall provide a unit that will do the job in a timely fashion without causing harm or damage to the substrate or surrounding environment.
- 6.06 The introduction of a detergent or mild Tri-Sodium phosphate solution may be incorporated into the wash water to aide in the removal of dirt, oils and grease.
- 6.07 A clean water rinse will be required if a detergent or TSP was used.
- 6.08 The contractor shall provide hoses, cleaning solutions, plastic wrap and tape, fuel, and oil for combustible engines.
- 6.09 Some units allow the introduction of an abrasive media and is, therefore considered Water-blasting. The owner and contractor shall discuss this technique to determine:

**Lake County Public Works
Coatings Preparation Specification: 2021**

- a. Viability.
 - b. Level of surface preparation conforming to a SSPC/ NACE standard.
 - c. The contractor shall collect and dispose of all spent media and debris generated.
 - d. Insure that spent blast media, debris and water will not harm or damage equipment.
- 6.10 On steel or metal surfaces, the contractor shall work in a manner that allows the areas that have been prepared, to be primed on the same day. Flash rust will be removed by hand tool and solvent cleaning prior to the application of primers or coatings specified in the coatings schedule.
- 6.10 All concrete surfaces shall be allowed to dry thoroughly for a minimum of three (3) days, prior to the application of any coatings. The coatings specified herein require the substrate to be thoroughly dry to 12% moisture content, unless otherwise noted on the manufactures label or application guidelines.

**Lake County Public Works
Coatings Preparation Specification: 2021**

FP-7.00

FLOOR PREPARATION

The contractor shall provide the means to dispose of all spent material and debris generated in preparing the floor(s), new, old, or otherwise. Electrical controls and sensitive equipment shall be protected from dust and debris generated herein.

Key Installation

For all floors being coated, the contractor shall install a **KEY** at all door openings, (floor drains and grates maybe optional). A key is a groove cut into the floor the extends into the floor forming a moisture barrier. Each key shall be installed ½ to ¾ of inch from each opening, with a minimum depth ¼ of an inch X 3/16” wide saw cut joint. If the key is cut dry, a vacuum with a HEPA filter for dust collection shall be utilized. If the key is cut with a water saw, the contractor must account for the moisture to prevent a coating failure.

Floor Preparation

The owner recognizes that floor preparation with a blast track or similar shot-blasting unit is the optimum or preferred method of preparation. The contractor shall inform the owner to the use of this equipment and will prepare the surface per FP-7.10. Some blast-trac equipment may require higher voltages, not all sites will have suitable power available.

These specifications are indented for use where blast tracking cannot be accomplished do to logistical or economical concerns.

Floor preparation is covered in the following sections:

New or Unpainted Floor	FP-7.10
Complete Removal of Existing Coating	FP-7.30
Previously Coated Floor	FP-7.50
High Tech Broadcast Floor	FP-7.70
Floor Patching	FP-7.90

Floor coatings require attention to the preparation of the substrate. The contractor must abide by the manufacture of the coating(s) in preparing the surface unless otherwise noted.

The contractor shall prepare and apply the coatings in the order specified. If a primer has been applied and then patching is to occur. The contractor will grind and or sand the patched areas to obtain a smooth uniform surface. If grinding or sanding exposes open concrete, the contractor shall acquire the additional materials (coatings) and prepare and re-prime the floor at their expense.

Lake County Public Works Coatings Preparation Specification: 2021

Open concrete

Shall be defined as having the texture of 120 grit sandpaper, no remaining coatings or sealers shall be present. Visually the concrete surface will appear white in color with sand and quartz particles exposed. Liquid solvents, (water, alcohol, MEK) will readily penetrate the surface without puddling or ponding. The surface will readily accept the primer or sealer, allowing it to penetrate and bond with the concrete.

FP-7.10

NEW OR UNPAINTED FLOOR

This applies to new concrete floors, or bare concrete. The contractor shall treat these floors as though a concrete sealer has been applied.

- 7.11 New and bare concrete must be fully cured and have a moisture content of 12% or less. The contractor shall verify the moisture content (presence absence test) at their expense prior to the application of any coating(s) to the substrate. A relative humidity meter may be used for quick spot checks. If moisture is present testing with a calcium chloride kit shall be required.
- 7.12 Install keys per FP-7.00
- 7.13 Swept and or vacuum the floor to remove dirt, dust, and debris.
- 7.14 Solvent clean areas where soiled by oil or grease.
- 7.15 The floor shall be diamond ground or shot blasted to the point where open concrete has been reached. Shot blasted surfaces are not to exceed ICRI (International Concrete Repair Institute) CSP #3, Light Shot Blast.
- 7.16 Floor patching shall be accomplished per FP-7.90.

**Lake County Public Works
Coatings Preparation Specification: 2021**

FP-7.30

COMPLETE REMOVAL OF EXISTING COATING

This applies to concrete floors, where an existing coating is in place and that coating shall be fully removed.

- 7.31 Swept and or vacuum the floor to remove dirt, dust, and debris.
- 7.32 Wash the floor with a Tri-sodium Phosphate solution to remove any dirt and remaining grease. Allow floor to dry thoroughly, 24 - 48 hours.
- 7.33 Solvent clean areas where soiled by oil or grease.
- 7.34 The floor shall be diamond ground or shot-blasted to the point where open concrete has been reached. Shot blasted surfaces are not to exceed ICRI (International Concrete Repair Institute) CSP #3, Light Shot Blast.
- 7.35 Install keys per FP-7.00 as required.
- 7.36 Floor patching shall be accomplished per FP-7.90

**Lake County Public Works
Coatings Preparation Specification: 2021**

FP-7.50

PREVIOUSLY COATED FLOOR

This applies to concrete floors, where an existing coating is in place.

- 7.51 Swept and or vacuum the floor to remove dirt, dust, and debris.
- 7.52 Wash the floor with a Tri-sodium Phosphate solution to remove any dirt and remaining grease. Allow floor to dry thoroughly, 24 - 48 hours.
- 7.53 Solvent clean areas where soiled by oil or grease.
- 7.54 If a urethane topcoat exists, the surface must be fully deglossed leaving no visible shinny spots. A liquid deglossing agent maybe suitable to initially break the gloss followed by sanding or mechanical abrasion. Consulting with the coating representative is advisable to eliminate coating failures.
- 7.55 Impart a suitable profile, by sanding all areas with 40 and 80-grit sandpaper. The contractor may opt to shot blast the surface to ICRI (International Concrete Repair Institute) CSP #3, Light Shot Blast. Note: If the existing coating is not compatible with the coating to be applied, then the coating must be fully removed per FP-7.10.
- 7.56 Install keys per FP-7.00
- 7.57 Floor patching shall be accomplished per FP-7.90
- 7.58 Areas where the existing coating has failed shall be diamond ground to expose bare open concrete. Grinding shall extend outwards to the point where the existing coating is sound and tightly adhered. At which point, the old coating shall be feathered back to yield a flat, uniform and ridge free surface.
- 7.59 Open concrete shall be spot primed with an epoxy sealer. The prime coat shall be feathered back into the surrounding surface. Once the primer has cured, additional sanding maybe required to remove the ridges left between the coatings. A flat uniform finish with no depressions or high points from previous coatings is expected prior to applying intermediate or finish coats.

**Lake County Public Works
Coatings Preparation Specification: 2021**

FP-7.70

HIGH TECH BROADCAST FLOOR

This specification does not deal with specialty Broadcast and Trowel Down floors. The County recognizes this type of floor requires an applicator that specializes in high tech floors. The contractor who installs the floor shall provide a minimum two-year warranty on workmanship and labor. The installation of keys per FP-7.00 shall be required.

Surface Preparation:

All concrete surfaces must be:

- 7.71 Sound, clean, dry, cured. The Contractor shall employ a radio frequency moisture meter to determine that residual un-combined moisture content of concrete slab is less than five (5) percent by weight. Do not apply high performance floor coatings to floor slabs that exceed five (5) percent moisture content.
- 7.72 Concrete surfaces shall have a tensile strength of not less than 250-300 PSI.
- 7.73 Have a pH range of 7–9.
- 7.74 Free of surface hardeners, form release agents, curing compounds, laitance, efflorescence, chloride contamination, hydrostatic water pressure or excessive capillary water action, and/or water vapor emission.
- 7.75 Cleaned first with a strong detergent to remove oils, grease, and dirt before proceeding with sandblasting, shot-blasting, or mechanical scarification. Where visual inspection of shot-blasted surface indicates that oil-based penetration of the surface has occurred, the stained areas shall be treated with a 15% by volume solution of aqueous tri-sodium phosphate (TSP) or another proprietary de-greasing agent. Rinse and dry all floor surfaces scheduled to receive high performance floor system finish prior to commencement of prime coat application.
- 7.76 Profile: Shot-blast all concrete floor surfaces scheduled to receive high performance floor coatings to a classification of ICRI CSP #5 (medium shot-blast), to impart a suitable profile for the application of a high-performance floor system as recommended by the coatings manufacture.
- 7.78 Remove and legally dispose of all debris and contaminants produced by the shot-blasting process. Steel media resulting from the shot-blasted floor slab surface shall be removed from cracks, slab edges, construction joints, and corners by magnets, magnetic broom, air blast, vacuum, or stiff bristle broom.

Lake County Public Works Coatings Preparation Specification: 2021

7.79 Floor patching shall be accomplished per FP-7.90

Reference International Concrete Repair Institute, Guideline No. 03732 - Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings and Polymer Overlays (including visual standards), Jan. 1997. Phone (847) 827-0830, Fax (847) 827-0832; and SSPC/NACE Publication No. 01-10 – Fundamentals of Cleaning and Coating Concrete, 2001, Phone (412) 281-2331.

FP-7.90

FLOOR PATCHING AND REPAIRS

Prior to the application of any coating or sealer, the floor shall be inspected for cracks, anchor bolt holes, holes, gouges, divots, and other imperfections. Each imperfection shall be addressed in the following manner:

- 7.91 Small cracks (non-moving) that are less than ¼” shall be filled with epoxy crack filler or an epoxy that has been suitably thinned to penetrate and seal the crack.
- 7.92 For rough or deteriorated areas, larger than ¼” shall be cleaned, and (crack chasing) widened and V-out removing trapped debris. Epoxy resurfacer or suitable grouting material may be needed.
- 7.93 For larger cracks and spalled areas shall be addressed case-by-case. The owner and contractor shall determine the most efficient and economical means for repair. If the repair requires a self-leveling agent, this product shall be applied in a manner to yield a smooth level surface. The leveling agent shall be epoxy based, or of compatible material for use with a high-performance floor system.
- 7.94 All filled and patched areas shall be allowed to cure. Said areas shall be sanded or ground down to yield a flat level surface with the surrounding floor. Additional coats may be required to fill and level out cracks and holes.
- 7.95 Prior to the application of any coatings the floor shall be free of runs, ridges, high and low spots due to crack filling.
- 7.96 When using High Performance products for thick or thin-filmed floors the technical representative maybe contacted to best determine the appropriate means and methods in floor patching.

Lake County Public Works Coatings Preparation Specification: 2021

CI- 8.0

Crack in Concrete Walls

Cracks in concrete and block walls where water or moisture is present must be addressed prior to applying industrial coatings.

The owner will work with the contractor and or engineer to determine the best approach and or product/repair system.

Crack Injection:

There are various products that can be used to fill cracks. If the substrate to be repaired is associated with a public water system, all products must be NSF/ANSI 61 Approved for Drinking water. The contractor shall submit the products specification cut sheet for approval. All approvals shall be issues in writing or email correspondence.

The contractor shall be held liable in the event a non-certified product was used public water system.

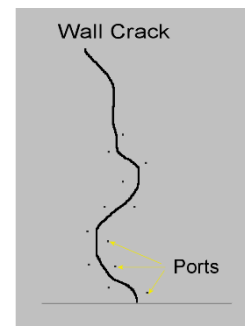
Injection – may be accomplished by caulk gun or airless spray pump. The contractor shall install ports for the introduction of the material. Large or wide-open cracks 1/8” or larger maybe suitable to use a caulk gun designed to inject the specified material.

The use of an airless sprayer that can utilize higher pressures over a caulk gun application is preferable for small cracks less than 1/8 inch wide.

The manufacture of the product shall provide the surface preparation if required. The surface for port application shall be clean and free of dirt, debris and oils or grease.

Port Installation

It is recommended that individual ports are installed equal distance apart on opposite sides of the crack. Each hole shall be set back between one – two inches away from the crack and drilled at an angle to intersect the crack within three to four inches.



Lake County Public Works Coatings Preparation Specification: 2021

If the manufactures application guidelines recommend placing the port(s) directly over the crack for their product, then the contractor shall proceed accordingly.

Ports come in a variety of types and style. They can be metal or plastic, screw insert or glued in place.

Epoxy Injection:

Epoxies are typically used for structural repair where tensile strength and compression strength are of concern. The underlying sub straight must be dry to allow for proper bonding. Epoxies are not intended for active leaks.

Urethane Grout

Urethane products curing when they contact moisture. These products require water be pumped into the ports which allow the grout to interact with the water and expand and begin the curing process. It is often recommended when using Urethane grouts to apply 100% solids epoxy to the surface of the crack. This prevents the grout from running out of the wall and promotes the material to following the crack upward and downward directions. The application of epoxy to the wall must be completed before any water is pushed into the crack.

Xypex

Xypex is a chemically active cement-based product that changes the crystalline structure of the concrete. The crystals form a watertight barrier that seals the water from inflow and infiltration.

Xypex shall be applied to a clean surface free of oils, dirt, and loose debris. The contractor shall pressure wash all surfaces that the Xypex will be applied to with a 5000 PSI washer, in leu of acid etching.

Concrete Defects shall be brought to the owner's attention. The repair of such areas shall be determined accordance with Xypex technical service representative.

Xypex lists in their application guidelines the procedure to dry pack large cracks, waterstops, and expansion joints.

It is important that Xypex be kept moist once the application process begins and shall continue through the curing window.

Lake County Public Works Coatings Preparation Specification: 2021

Fire Hydrant Painting

Work is to include, but is not limited to, Fire Hydrant surface Preparation and Painting as described herein. The scope of this job entails removal of any rust, dirt, debris, oils, greases and existing coatings and applying a new coating system supplied by the Contractor to each fire hydrant.

All fire hydrants governed by this specification shall be limited to Lake County Public Works service areas or the hydrants associated with the 12 public water systems owned and operated by Lake County Public Works.

Lake County has three divisions that are responsible for the 12 Public Water Systems. The number of fire hydrants and their locations will change annually based on a preventive maintenance schedule. On an annual basis Lake County Public Works looks to prep and paint approximately 500 hydrants each year. The quantities indicated are estimates of the total quantity of fire hydrants for preparation and painting during the term of the contract or bid. The County does not guarantee any specific amount and shall not be held responsible for any deviation therefrom.

Lake County Public Works may refer customers who own their own private services to paint hydrants at the same time frame. These Customers shall be billed directly and are not part of the contract or bid. Lake County would ask that the price per hydrant be extended to those customers.

The County shall provide the Contractor with maps specific to the service area(s) that clearly identify which fire hydrants are to be coated and their location.

The Contractor shall mark on the map, by drawing lines through each hydrant as they are serviced:

- 1 A single line shall indicate the fire hydrant was sandblasted.
- 2 A second line (forming an **X** or **+**) will indicate the hydrant was coated.
- 3 In the case that an additional coat is required, a third line shall be used forming a star or asterisk **✱**.

Lake County Public Works shall provide the contractor with maps indicating which hydrants are to be painted. Hydrants scheduled will be marked with a yellow dot and a red dot in the center.

Periodically, work is done where fire hydrant(s) have been moved, removed, or marked as Out of Service. These may not appear correctly on the map. When discovered the contractor shall bring this to the owner's attention:

- 1 In the event that a hydrant appears in the field that is not listed on the map, The owner shall determine if that hydrant will be painted as an extra.
- 2 Hydrants that appear on the map, which no longer exist will not count towards the

Lake County Public Works Coatings Preparation Specification: 2021

final count.

- 3 Fire Hydrants that contain and OUT OF SERVICE ring, shall not be painted unless authorized by the owner. This ring indicates additional repairs or replacement is scheduled. Upon completion of such repair(s) or replacement; the owner will schedule the Contractor to proceed.

The Contractor shall request a copy of the fire hydrant painting map(s) with a minimum of 14 days working days prior to work commencing.

An on-site pre-construction meeting shall be established with the division supervisor and operations staff. To determine the work area(s), equipment storage, and contact information.

Work hours shall be 8:00 a.m. to 4:30 p.m. Monday through Friday, 8:00 a.m. to 1:00 p.m. Saturdays.

Lake County Public Works will not take responsibility for damages incurred to equipment or product loss for items or equipment stored on Lake County Public Works sites.

FIRE HYDRANT PREPARATION:

Each fire hydrant's barrel(s), nuts, and caps shall receive a Commercial Blast Cleaning, with the minimum blast profile meeting SSPC-SP6 NACE 3. The Contractor shall completely remove all existing coatings, rust, dirt and debris as defined by Society for Protective Coatings and National Association of Corrosion Engineers (NACE) from the base of the barrel at grade level to the top of the hydrants operating nut achieving a blast profile of 2-3 mils.

Note: The Contractor shall be permitted to Brush Blast the chains that hold the caps to the hydrant barrel SSPC-SP7 NACE 4, thereby removing all rust and loose paint.

- 1.0 The Contractor shall supply the appropriate blast media that does not contain silica.
- 2.0 The Contractor shall construct a shield or shroud that will contain the spent blast media, ensuring that no damage or harm will be incurred to the areas surrounding the hydrant while sand blasting.
- 3.0 The Contractor shall take measures to keep the dust and flying debris down and contain over-spray.
- 4.0 The Contractor shall pick up, collect and dispose of all excessive blast media paint chips as generated in the preparation of the hydrant.
- 5.0 The Contractor shall conduct and abide in accordance with all local and state

Lake County Public Works Coatings Preparation Specification: 2021

environmental rules and regulations pertaining to the sandblasting operation. Utilizing the appropriate:

- Containment
- Blast media (non-silica based)
- Disposal of spent media and wastes generated in the blasting operation.

- 6.0 Reach Capacity: The Contractor shall have the capability to reach fire hydrants that are located within 100 feet off the roadway, shoulder, right-of-way, or easement.
- 7.0 Contractor shall notify Lake County of any fire hydrants that are hidden from view by overgrown vegetation or any other obstacles or problems that prevent said work to be completed.
- 8.0 Special Precautions: Fire hydrants that are in commercial, and residential areas. The Contractor shall take appropriate steps to prevent harm or damage to the surrounding areas of the hydrant (including hydrant seals, grass, trees, shrubs, vehicles, homes, pets, and children) with spent blast debris as well as overspray. The contractor shall provide a shroud to contain spent blast debris as well as overspray. The ground around the base of the hydrant shall be protected at a minimum 24 to 36 inches around the hydrants base from being mowed or dirt removal that would create a crater or depression around the hydrant. As well as to prevent overspray from collecting on the surrounding ground.
- 9.0 The Contractor shall take responsibility in restoring property damage to vehicles or residential / commercial property that occurred through sandblasting and or overspray.

Coating / Painting:

The coatings or coating system shall be provided within the contract or bid documents. All fire hydrants within Lake County shall be painted safety yellow. The caps shall be color coded in accordance with the water system flow rate. Lake County Public Works shall provide the cap colors, (Safety colors: Blue, Green, Orange, and Red).

Spray application is the prefer method of applying the specified coatings. Lake County Public Works looks to utilized high build industrial coatings that can be applied in a single coat that fall into the direct-to-metal (DTM) category.

If spray application is not viable, due to overspray or property damage concerns. The contractor may opt to brush and roll this product with the understanding that multiple coats will be required to achieve the specified mils DFT with no additional costs or extra charges to the owner.

The application of all coatings shall be applied in accordance with the manufacturer's label application rates to achieve the proper dry film thickness. Each coating shall be

Lake County Public Works Coatings Preparation Specification: 2021

applied in a manner that meets the label requirements (brush and rolled, sprayed or by other means). The application of each product (coats) shall be free of runs, drips, sags, or holidays; the result of which will require the Contractor to remove, repair and re-coat at their expense.

- 1.0 Lake County Public Works may specify a single component or multiple component coatings. The product maybe a fast cure product. Each component shall be pre-mixed with a power agitator its can or container. Where two or more components are required, after the initial mixing combining Part B with Part A in a separate container shall be thoroughly mix with a power agitator.
- 2.0 The contractor shall be aware of working pot life at various the temperatures, and humidity.
- 3.0 Coating must be applied when the surface temperature is always exceeds 5 degrees above the dew point. And the humidity does not exceed 85%.
- 4.0 In the event of rain, the contractor may prime sandblasted fire hydrant(s) to prevent rusting with an approved anti-corrosive primer with no additional costs or extra charges to the owner.
- 5.0 The application of the coating(s) shall not interfere with the operation of the hydrant. The Contractor must take steps to ensure that the operating nut and caps will not become glued shut.
- 6.0 Any substituted product or a coating system shall be suited for application to steel and cast-iron surfaces for exterior use, having long-term corrosion protection, weathering with direct-to-metal properties, and is expected to retain its color and gloss for a minimum of five (5) years. Any substituted product or a coating system is subject to testing and acceptance by Lake County Public Works Department.
- 7.0 If coatings manufacturer has provided a warranty ensuring their product will meet the County's preventive maintenance schedule. Lake County will require the Contractor to provide a detailed list of coatings used. The list shall include the following label information:
 - a. Manufacturer
 - b. Color
 - c. Lot number
 - d. Product number
 - e. Expiration date (if listed)
 - f. Location(s) where used

**Lake County Public Works
Coatings Preparation Specification: 2021**

CAN LIFT STATIONS

SUBMERISIBLE LIFT STATION and WET WELLS

WATER RESERVIORS
CONCRETE STRUCTURES

STEEL (Stand-Pipe Water Tower)

LIGHT POLES AND FLAG POLES

Exhibit B

Specifications for Item #1 - New Century Town Wastewater Treatment Plant in Vernon Hills, Illinois



Specifications for Item #1 - New Century Town Wastewater Treatment Plant in Vernon Hills, Illinois



Specifications for Item #1 - New Century Town Wastewater Treatment Plant in Vernon Hills, Illinois



Specifications for Item #1 - New Century Town Wastewater Treatment Plant in Vernon Hills, Illinois



Specifications for Item #2 - New Century Town Building 20 – Lower Level Pump Room in Vernon Hills, Illinois

Pump Room Lower-Level Walls, Piping and Floor



Specifications for Item #2 - New Century Town Building 20 – Lower Level Pump Room in Vernon Hills, Illinois



Specifications for Item #2 - New Century Town Building 20 – Lower Level Pump Room in Vernon Hills, Illinois



Specifications for Item #2 - New Century Town Building 20 – Lower Level Pump Room in Vernon Hills, Illinois



Specifications for Item #2 - New Century Town Building 20 – Lower Level Pump Room in Vernon Hills, Illinois



Specifications for Item #2 - New Century Town Building 20 – Lower Level Pump Room in Vernon Hills, Illinois



***Specifications for Item #2 - New Century Town Building 20 – Lower Level Pump Room in Vernon Hills,
Illinois***

Ceiling Lower Level Pump Room Building 26



Specifications for Item #2 - New Century Town Building 20 – Lower Level Pump Room in Vernon Hills, Illinois



Specifications for Item #2 - New Century Town Building 20 – Lower Level Pump Room in Vernon Hills, Illinois



Pictures for Item #3 – Mill Creek Secondary Clarifier Exterior Coating



Pictures for Item #3 – Mill Creek Secondary Clarifier Exterior Coating



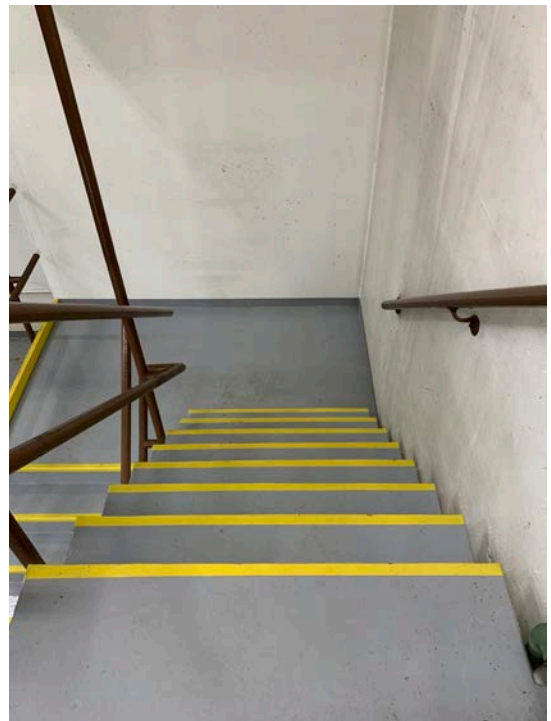
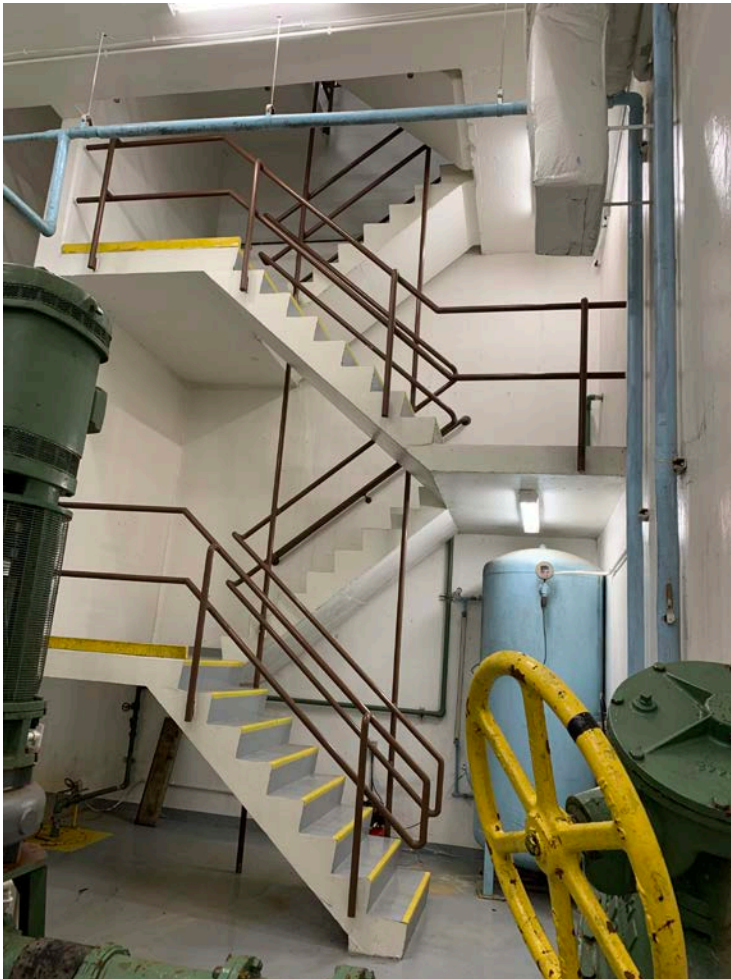
Pictures for Item #3 – Mill Creek Secondary Clarifier Exterior Coating



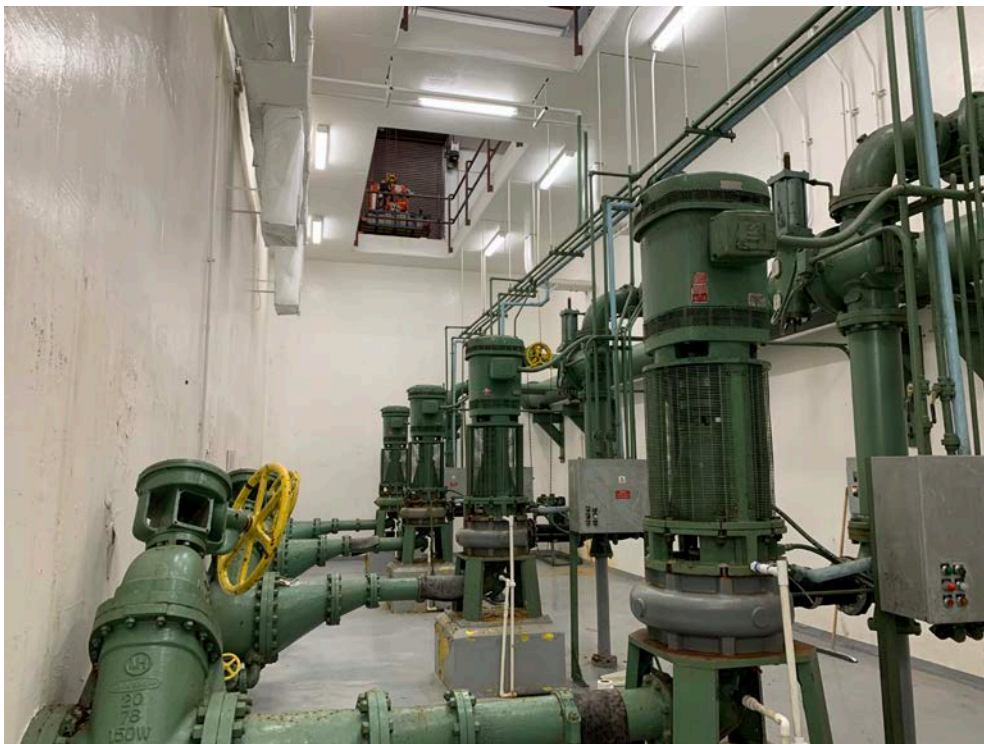
Pictures for Item #3 – Mill Creek Secondary Clarifier Exterior Coating



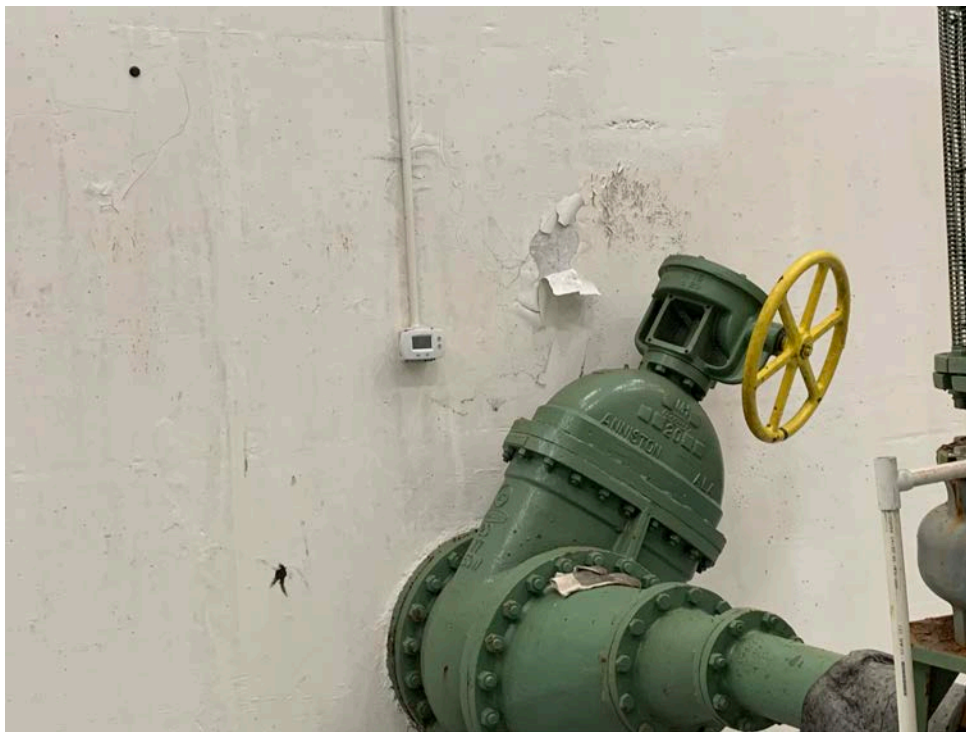
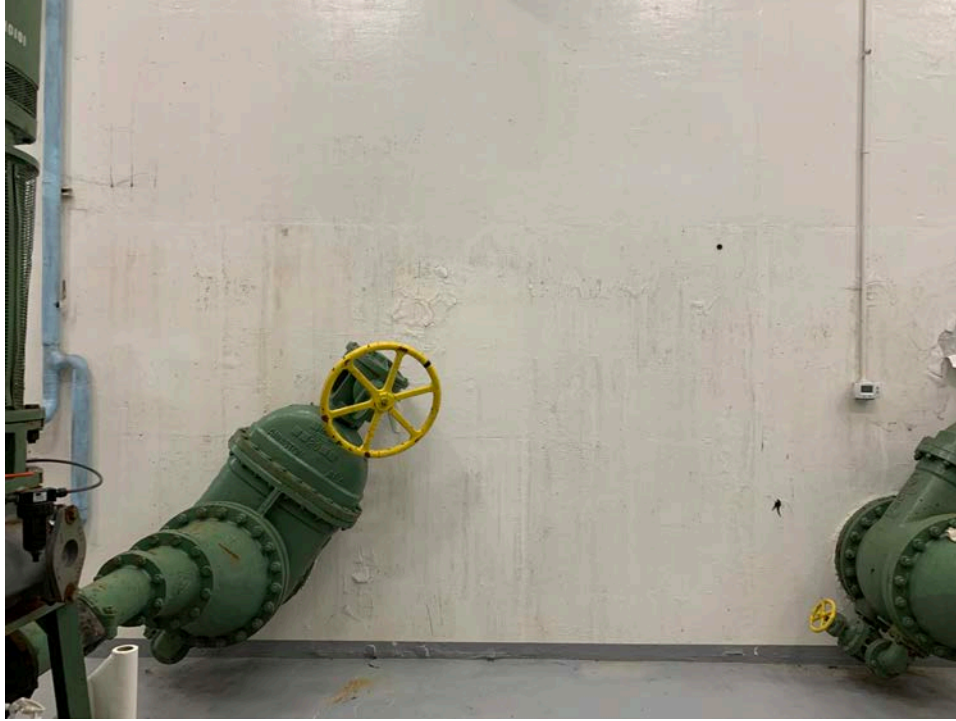
Pictures for Item #4 – Rollins Road Pump Station



Pictures for Item #4 – Rollins Road Pump Station



Pictures for Item #4 – Rollins Road Pump Station



Pictures for Item #4 – Rollins Road Pump Station

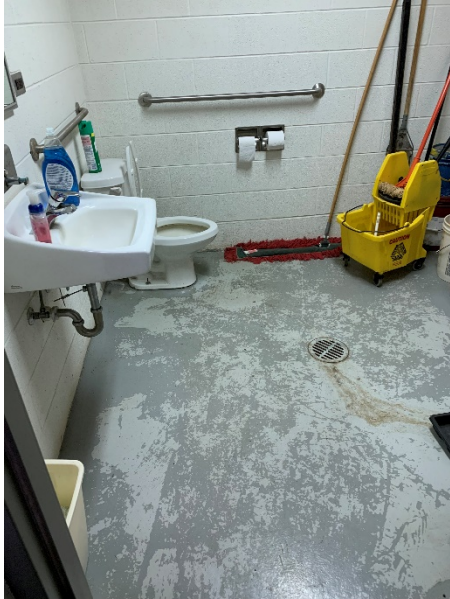


Pictures for Item #4 – Rollins Road Pump Station



Pictures for Item #5 – Brooks Farm Floor Coating Project

Pictures for Item #5 – Brooks Farm Floor Coating Project



Pictures for Item #5 – Brooks Farm Floor Coating Project



Pictures for Item #5 – Brooks Farm Floor Coating Project



Pictures for Item #5 – Brooks Farm Floor Coating Project



Pictures for Item #5 – Brooks Farm Floor Coating Project

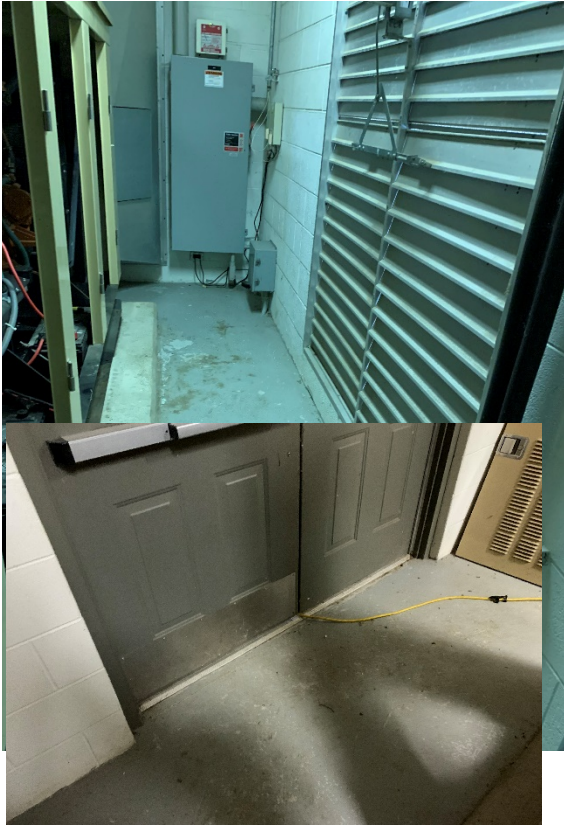


Pictures for Item #5 – Brooks Farm Floor Coating Project

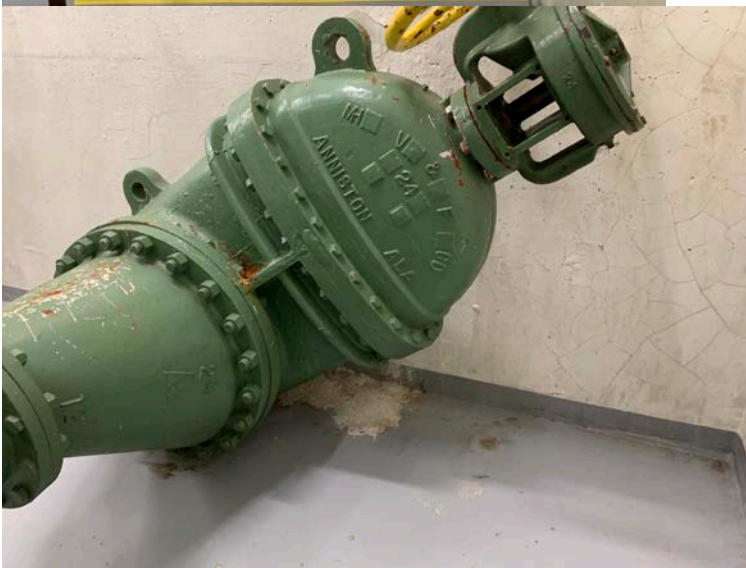


Generator Room

Pictures for Item #5 – Brooks Farm Floor Coating Project



Pictures for Item #6 – Petite Lake Pump Station



Pictures for Item #6 – Petite Lake Pump Station



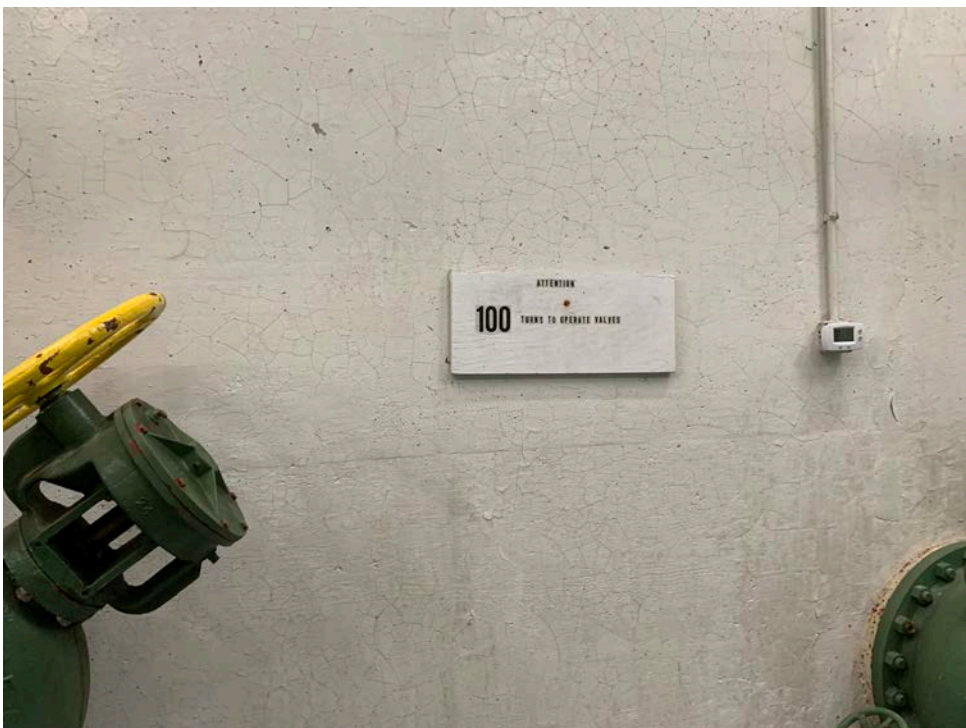
Pictures for Item #6 – Petite Lake Pump Station



Pictures for Item #6 – Petite Lake Pump Station



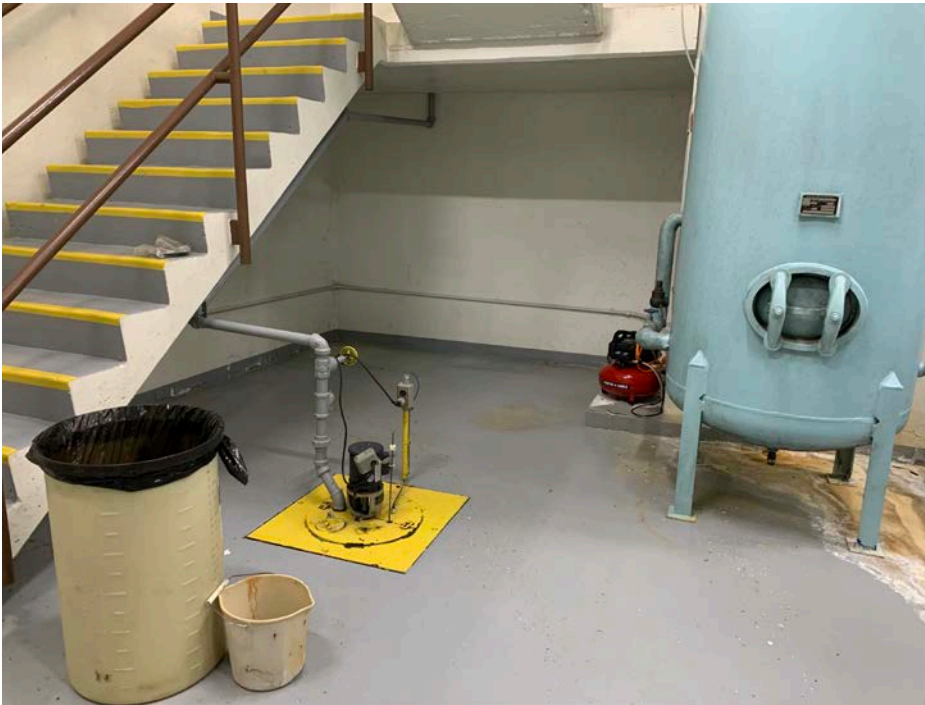
Pictures for Item #6 – Petite Lake Pump Station



Pictures for Item #6 – Petite Lake Pump Station



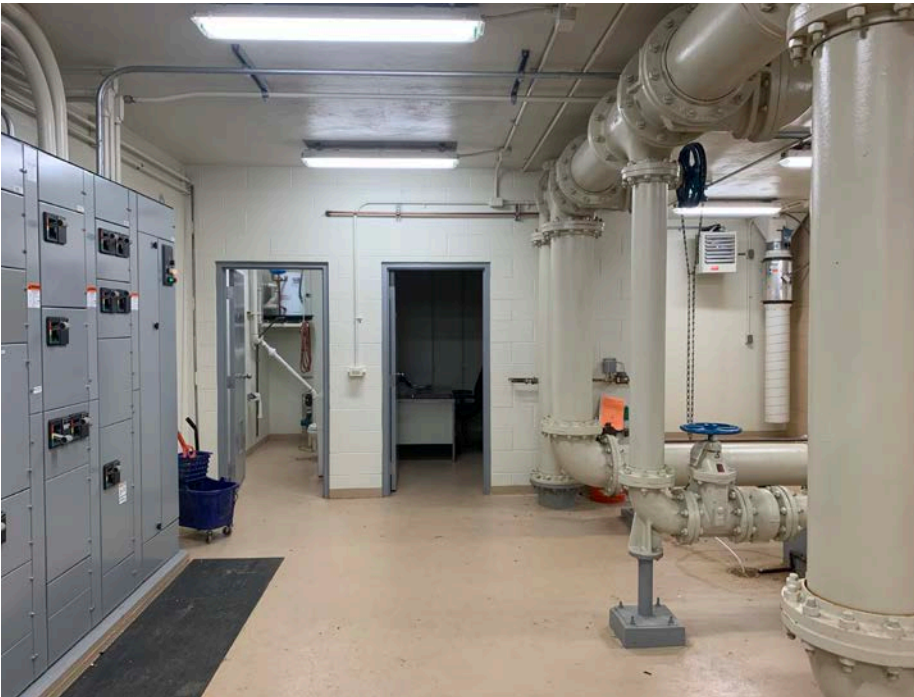
Pictures for Item #6 – Petite Lake Pump Station



Pictures for Item #6 – Petite Lake Pump Station



Pictures for Item #7 – Grainger Reservoir



Pictures for Item #7 – Grainger Reservoir



Pictures for Item #9 – Vernon Hills Potable Water Reservoir – Greggs Landing Painting (Scope 2)



Pump Room

Pictures for Item #9 – Vernon Hills Potable Water Reservoir – Greggs Landing Painting (Scope 2)



Pictures for Item #9 – Vernon Hills Potable Water Reservoir – Greggs Landing Painting (Scope 2)



Pump Room stairway and entrance.

Pictures for Item #9 – Vernon Hills Potable Water Reservoir – Greggs Landing Painting (Scope 2)

Electrical Room



Pictures for Item #9 – Vernon Hills Potable Water Reservoir – Greggs Landing Painting (Scope 2)

Office



Pictures for Item #9 – Vernon Hills Potable Water Reservoir – Greggs Landing Painting (Scope 2)

Bathroom



Chlorine Room

Pictures for Item #9 – Vernon Hills Potable Water Reservoir – Greggs Landing Painting (Scope 2)



Pictures for Item #9 – Vernon Hills Potable Water Reservoir – Greggs Landing Painting (Scope 2)

